

CALS tables demo

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Simple table

I'm a caption in the header

head 1.1	head 1.2
head 2.1	head 2.2
body 1.1	body 1.2
body 2.1	body 2.2
body 3.1	body 3.2
foot 1.1	foot 1.2

I'm a caption in the footer

```
\begin{calstable}
\colwidths{{3cm}{4cm}}
\thead{
  I'm a caption in the header\par
  \bfseries
  \brow \cell{head 1.1}\cell{head 1.2} \erow
  \brow \cell{head 2.1}\cell{head 2.2} \erow
  \mdseries}

\tfoot{
  \brow \cell{foot 1.1} \cell{foot 1.2} \erow
  \lastrule
  I'm a caption in the footer\par}

\brow \cell{body 1.1}\cell{body 1.2} \erow
\brow \cell{body 2.1}\cell{body 2.2} \erow
\brow \cell{body 3.1}\cell{body 3.2} \erow
\end{calstable}
```

Decorations

left, top	center, top	right, top
left, middle	center, middle	right, middle
left, bottom	center, bottom	right, bottom

```
\makeatletter
\newcommand\brow{\brow\setbox\cals@current@row=
\hbox{\vbox to 3cm{}}}
```

```
\newenvironment{decotable}{\begin{calstable}
\fontsize{15pt}{17pt}\selectfont
\cals@setpadding{Ag}\cals@setcellprevdepth{Al}
\cals@paddingL=0pt \relax
\cals@paddingR=0pt \relax
\def\cals@frameecs@width{2pt}
\def\cals@rs@width{8pt}
\def\cals@cs@width{4pt}
}{\end{calstable}}
```

```
\begin{decotable}
\colwidths{{3cm}{3cm}{3cm}}
\brow
\cell{left,\\top}
\alignC \cell{center,\\top}
\def\cals@borderL{0pt}\def\cals@borderB{0pt}
\alignR \cell{right,\\top} \erow
\let\cals@borderL=\relax \let\cals@borderB=\relax
\brow
\alignL \cell{\vfil left,\\middle}
\alignC \cell{\vfil center,\\middle}
\alignR \cell{\vfil right,\\middle} \erow
\brow
\def\cals@bgcolor{green}
\alignL \cell{\vfill left,\\bottom}
\def\cals@bgcolor{}
\alignC \cell{\vfill center,\\bottom}
\alignR \cell{\vfill right,\\bottom} \erow
\end{decotable}
```

Cell spanning

a6	b6	c6	d6	e6	f6
a5	b5, c5, d5			e3, e4, e5	f5
a4	b2, b3, b4	c3, c4, d3, d4			f4
a3					f3
a2		c2, d2, e2			f2
a1	b1	c1	d1	e1	f1

```

\makeatletter \let\olderow=\erow
\def\erow{\ht\cals@current@row=1.3cm \olderow}

\begin{calstable}
\def\cals@frameecs@width{.4pt}
\def\cals@framers@width{.4pt}
\colwidths{{1.3cm}}
\brow
  \cell{a6} \cell{b6} \cell{c6}
  \cell{d6} \cell{e6} \cell{f6} \erow
\brow
  \cell{a5} \nullcell{ltb} \nullcell{tb}
  \nullcell{rtb}\spancontent{b5, c5, d5}
  \nullcell{ltr} \cell{f5} \erow
\brow
  \cell{a4} \nullcell{ltr} \nullcell{tl}
  \nullcell{tr} \nullcell{lr} \cell{f4} \erow
\brow
  \cell{a3} \nullcell{lr} \nullcell{lb}
  \nullcell{rb}\spancontent{c3, c4, d3, d4}
  \nullcell{lrb}\spancontent{e3, e4, e5}
  \cell{f3} \erow
\brow
  \cell{a2}
  \nullcell{lrb}\spancontent{b2, b3, b4}
  \nullcell{ltb} \nullcell{tb}
  \nullcell{tbr}\spancontent{c2, d2, e2}
  \cell{f2} \erow
\brow
  \cell{a1} \cell{b1} \cell{c1}
  \cell{d1} \cell{e1} \cell{f1} \erow
\end{calstable}
\let\erow=\olderow

```

Multipage table (in a multicols in a table)

x	x				x																												
x	<table border="1"> <thead> <tr> <th>n</th> <th>n^2</th> <th>n</th> <th>n^2</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>4</td> <td>7</td> <td>49</td> </tr> <tr> <td>3</td> <td>9</td> <td>8</td> <td>64</td> </tr> <tr> <td>4</td> <td>16</td> <td>9</td> <td>81</td> </tr> <tr> <td>5</td> <td>25</td> <td>10</td> <td>100</td> </tr> <tr> <td>6</td> <td>36</td> <td>11</td> <td>121</td> </tr> <tr> <td>n</td> <td>n^2</td> <td>n</td> <td>n^2</td> </tr> </tbody> </table>				n	n^2	n	n^2	2	4	7	49	3	9	8	64	4	16	9	81	5	25	10	100	6	36	11	121	n	n^2	n	n^2	x
n	n^2	n	n^2																														
2	4	7	49																														
3	9	8	64																														
4	16	9	81																														
5	25	10	100																														
6	36	11	121																														
n	n^2	n	n^2																														
x	x				x																												

```

\begin{calstable}
\colwidths{{1cm}{7cm}{1cm}}
\brow \cell{x} \cell{x} \cell{x} \erow
\brow \cell{x} \cell{
\columnsep=0cm\relax
% Force multicols to regard our \leftskip
% by pretending that we are a list.
\@totalleftmargin=\cals@paddingL\relax
\begin{multicols}{2}

```

```

\begin{calstable}
\alignR
\colwidths{{1.5cm}{1.5cm}}
\thead{\brow \cell{$n$}\cell{$n^2$} \erow}
\tfoot{\brow \cell{$n$}\cell{$n^2$} \erow}
\brow \cell{2} \cell{4} \erow
\brow \cell{3} \cell{9} \erow
\brow \cell{4} \cell{16} \erow
\brow \cell{5} \cell{25} \erow
\brow \cell{6} \cell{36} \erow
\tbreak{\break }
\brow \cell{7} \cell{49} \erow
\brow \cell{8} \cell{64} \erow
\brow \cell{9} \cell{81} \erow
\brow \cell{10} \cell{100} \erow
\brow \cell{11} \cell{121} \erow
\end{calstable}

```

```

\end{multicols}
} \cell{x} \erow
\brow \cell{x} \cell{x} \cell{x} \erow
\end{calstable}

```