

# Package Description

In the following you will find a short description of environments and commands:

The **gantt** environment draws the canvas of a gantt figure (realized as tikzpicture)

The usage is `\begin{gantt}[...]{no of Tasks to plot}{no of time slots}`

The optional argument [...] can be filled in a key=value syntax, using one or more of the following keys:

`xunitlength` - length of one time slot (default: 1 cm)

`fontsize` - fontsize of labels (default: `\normalsize`)

`titlefontsize` - fontsize of title section (default: `\small`)

`drawledgerline` - Switch to enable/disable the drawing of horizontal ledger lines (default value: false)

**gantttitle** is the environment for drawing the title section

**\titleelement** draws one element of the title

usage: `\titleelement{label}{length}`

**\numtitle** draws a numbered sequence of title elements

usage: `\numtitle{start number}{increment}{end number}{length of each title element}`

**\ganttbar** draws a single, unconnected bar for representing a task

usage: `\ganttbar[pattern=<pattern>,color=<color>]{label}{start}{length}`

where the optional comma separated arguments are:

`<pattern>` - is a tikz pattern (e.g. north west lines (default), north east lines, crosshatch, crosshatch dots, grid, ...)

`<color>` - a tikz color of the pattern (e.g. black (default), red, green blue gray, dark gray)

for more information see the tikz documentation

**\ganttcon** draws an arrow between to bars with specified coordinates

usage: `\ganttbar{startx}{starty}{endx}{endy}`

**\ganttbarcon** draws a single bar \*and\* connects the bar with the previous bar (or milestone) for consecutive tasks

usage: `\ganttbar[pattern=<pattern>,color=<color>]{label}{start}{length}`

where the optional pattern argument are the same as for `\ganttbar`

**\ganttgroup** draws a bar to group tasks

usage: `\ganttgroup{label}{start}{length}`

**\ganttmilestone** draws a milestone using a diamond

usage: `\ganttmilestone[color=<color>]{label}{start}`

where the optional color argument argument is:

`<color>` - a tikz color of the pattern (e.g. black (default), red, green blue gray, dark gray)

**\ganttmilestonecon** draws a milestone using a diamond \*and\* connects the milestone with the previous bar or milestone

usage: `\ganttmilestonecon[color=<color>]{label}{start}`

where the optional color argument argument is:

`<color>` - a tikz color of the pattern (e.g. black (default), red, green blue gray, dark gray)