

value where a mark is placed. The second and third numbers can be omitted. When only one number is given, it will be used as the increment from an initial value that will be chosen automatically

`yx_ratio` [*yx_ratio*, *r*] [Plot option]

In a 2d plot, the ratio between the vertical and the horizontal sides of the rectangle used to make the plot. See also [\[same_xy\]](#), page 233.

`z` [*z*, *min*, *max*] [Plot option]

Used in [\[plot3d\]](#), page 223 to set the effective range of values of *z* that will be shown in the plot.

`zlabel` [*zlabel*, *string*] [Plot option]

Specifies the *string* that will label the third axis, when using [\[plot3d\]](#), page 223. If this option is not used, that label will be “z”, when plotting surfaces, or the third expression in the case of a parametric plot. It can not be used with [\[set_plot_option\]](#), page 229 and it will be ignored by [\[plot2d\]](#), page 217 and [\[implicit_plot\]](#), page 214.

`zmin` [*zmin*, *z*] [Plot option]

In 3d plots, the value of *z* that will be at the bottom of the plot box.

12.5 Gnuplot Options

There are several plot options specific to gnuplot. All of them consist of a keyword (the name of the option), followed by a string that should be a valid gnuplot command, to be passed directly to gnuplot. In most cases, there exist a corresponding plotting option that will produce a similar result and whose use is more recommended than the gnuplot specific option.

`gnuplot_term` [*gnuplot_term*, *terminal_name*] [Plot option]

Sets the output terminal type for gnuplot. The argument *terminal_name* can be a string or one of the following 3 special symbols

- **default** (default value)

Gnuplot output is displayed in a separate graphical window and the gnuplot terminal used will be specified by the value of the option [\[gnuplot_default_term_command\]](#), page 237.

- **dumb**

Gnuplot output is saved to a file `maxout_xxx.gnuplot` using "ASCII art" approximation to graphics. If the option [\[gnuplot_out_file\]](#), page 237 is set to *filename*, the plot will be saved there, instead of the default `maxout_xxx.gnuplot`. The settings for the “dumb” terminal of Gnuplot are given by the value of option [\[gnuplot_dumb_term_command\]](#), page 238. If option [\[run_viewer\]](#), page 233 is set to true and the plot_format is `gnuplot` that ASCII representation will also be shown in the Maxima or Xmaxima console.

- **ps**

Gnuplot generates commands in the PostScript page description language. If the option [\[gnuplot_out_file\]](#), page 237 is set to *filename*, gnuplot writes the PostScript commands to *filename*. Otherwise, it is saved as `maxplot.ps`