

`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`.

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

Used in `plot3d` 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`. 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` and it will be ignored by `plot2d` and `implicit_plot`.

`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`.
- **dumb**  
Gnuplot output is saved to a file `maxout_xxx.gnuplot` using "ASCII art" approximation to graphics. If the option `gnuplot_out_file` 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`. If option `run_viewer` 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` is set to *filename*, gnuplot writes the PostScript commands to *filename*. Otherwise, it is saved as `maxplot.ps` file. The settings for this terminal are given by the value of the option `gnuplot_dumb_term_command`.
- A string representing any valid gnuplot term specification  
Gnuplot can generate output in many other graphical formats such as png, jpeg, svg etc. To use those formats, option `gnuplot_term` can be set to any supported gnuplot term name (which must be a symbol) or even a full gnuplot