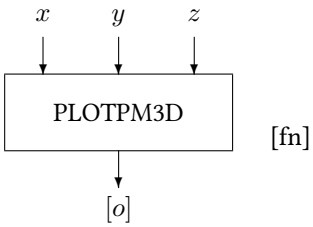
Block PLOTPM3D

The PLOTPM3D block generates a palette-mapped 3D plot output of its connected input data via gnuplot.





Name	PLOTPM3D
Function	fb0044
Inputs	3
Outputs	0 . . . [1]
Parameters	0
Strings	0 . . . [1]
Group	S

Inputs

1 Any signal x
2 Any signal y
3 Any signal z

Outputs

1 User defined block number (if available)

Parameters

1 Sort descending. If set to 1, each y column is sorted independently in descending order and the x axis is replaced by rank (0, 1, 2, ...). Useful for load duration curves.

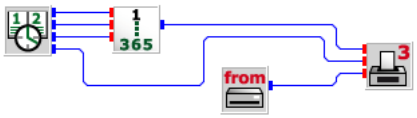
Strings

1 File name fn of a gnuplot command file. If no file name is provided, a default file `insel.gnu` is generated with default gnuplot commands.

Limitations

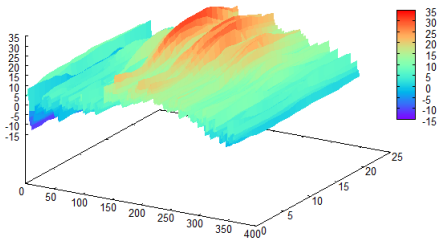
Only one PLOTPM3D block or one PLOTPPMC block can be used in an INSEL model file.

plotpm3d.vseit



A READ block reads one complete year of temperature from the data file `temperature.dat` located in the `examples/data` in hourly resolution. The time steps are provided by a CLOCK block. The DOY block converts the date and time outputs of the CLOCK block into the day of the year which is used as x input of the PLOTPM3D block. The y coordinate is the hour output of the CLOCK block. The z coordinate is connected to the READ block.

Finally, the PLOTPM3D block displays the temperature data on screen.



See also

Block PLOTPMC.