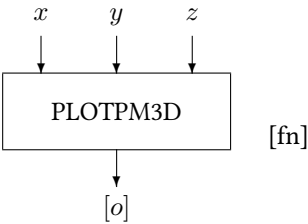


Block PLOTPM3D

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)

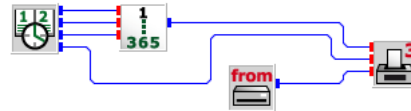
Parameters

- 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

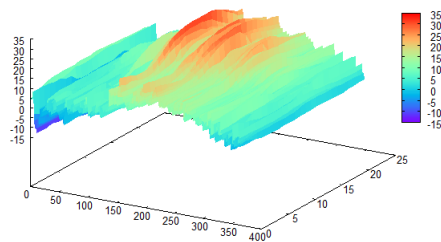
- 1 File name `fn` of a gnuplot command file. If no file name is provided, a default file `insel.gnu` is generated with default gnuplot commands.

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.