

Data Files

Selecting "file" will bring up an Open Panel. Files must be in "x y z\n" or "x,y,z\n" format with optional comment lines at the top of the file beginning with #. Once the data has been read, x/y/z max/min values will be set to match the file. Data from the file is NOT interpolated, so if you zoom, the data will not be mapped to a new grid, it will just be clipped. If the data in the file is a complete grid (every point in a square x/y grid is filled in), you can use the "grid" display style, and the density plot will look nice. Incomplete data files (those which don't have a data point at every grid location) are now filled in for you. All unknown points will be set to the smallest Z that occurred in the valid points in the file. Data that will not map to a simple mesh cannot be plotted with this version of plot3d.

Data from files may also be transformed before being displayed. You may enter a formula as a function of x,y and z to remap the data. When the file is read, the formula is automatically reset to $z(x,y)=z$. So, for example, if you want a log plot, just enter "log(z)" as the formula. If you

enter an invalid formula it will be reset to "0".