Subject: 3D plot of set of curves
Posted by Timm Weitkamp on Mon, 24 May 2004 14:44:41 GMT

Dear people,

I have a set of curves -- say, the values are in a 2D array "Z" -- and
would like to make a nice-looking graph something like this hand-drawn
sketch:

  http://tinyurl.com/36frg

(NB: On Sat-Sun 29-30 May it's probably useless trying this link -- they
tell me our web server will be down. Sorry about that.)

In what way exactly the "walls" are shaded is not crucial, but I
definitely want the "base lines" (i.e., the lines at z=0) drawn, with
hidden lines removed, as in the sketch figure referenced above.

I looked into the help for SURFACE and SHADE_SURF, but did not find what I
need. The HORIZONTAL keyword to SURFACE goes in the right direction, but
does only does a disappointingly small part of the job.

Is there a not-too-cumbersome way in IDL to do what I want?

Timm

--
Timm Weitkamp <http://people.web.psi.ch/weitkamp>