
Subject: Re: projecting a PLOT onto wall of SURACE
Posted by [Paul van Delst](#) on Mon, 13 Nov 2000 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Andrew wrote:

>
> In article <3A102ABB.EA9C40CD@noaa.gov>,
> "Pavel A. Romashkin" <pavel.romashkin@noaa.gov> wrote:
>> "The PLOT_3DBOX procedure plots a function of two variables (e.g.,
>> $Z=f(X, Y)$) inside a 3D box. Optionally, the data can be projected onto
>> the "walls" surrounding the plot area."
>>
>> Is this something you can use?
>
> I looked into that but its hard to see how it helps. The 2d plot I
> have is perfectly well-defined, and it is not a projection of a
> 3d curve.
>
> I'm beginning to think this problem is far too obscure to worry
> about.

Why can't you just overplot the 3-d plot but with one of the data arrays set to a level such that it looks like a separate plot on one of the box sides. I just did it with my own 3-d plotter (which has a specified OPLOT keyword). Took about a minute. I created an unrelated 2-d dataset and just set all the Z-values to 0 (you could do the same for the X- or Y- values depending on which "box-side" you want to plot on. The T3D transformation from the previous 3-d plot is used. In the event that the data ranges of your 2-d plot are outside the existing 3-d curve you have already plotted, then why use the same graph? It would be a confusing overplot.

Anyway.....

paulv

--

Paul van Delst Ph: (301) 763-8000 x7274
CIMSS @ NOAA/NCEP Fax: (301) 763-8545
Rm.207, 5200 Auth Rd. Email: pvandelst@ncep.noaa.gov
Camp Springs MD 20746
