
Subject: Re: multi-surface plot
Posted by [jun](#) on Fri, 07 Jul 1995 07:00:00 GMT
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Thanks many people for contributing their ideas on the multi-surface plot problem. Inspired by Dr. L. Kramer, I tried the following way which works pretty well for me:

```
IDL> surface, Z1, ZRANGE=[100,300], /nodata, /save ;setup coordinates
IDL> surface, Z1, ZRANGE=[100,300], /T3D, xstyle=4, ystyle=4, zstyle=4, /noerase
IDL> surface, Z2, ZRANGE=[100,300], /T3D, xstyle=4, ystyle=4, zstyle=4, /noerase
... .. (repeat this on Z3 and Z4)
```

It's even better if you use different color for each surface.
Because many people expressed their interest in this problem, I think it might be good to post this solution.

Finally, Thanks, Leonard. Great idea!

In article <lkramer.4.009623B3@neosoft.com>, lkramer@neosoft.com (Leonard Kramer) writes:
> In article <3tbvof\$ink@apakabar.cc.columbia.edu> jun@eureka.columbia.edu (Jun Xu) writes:
> >Path:
> > uuneo.neosoft.com!news.uh.edu!swrinde!gatech!rutgers!news.columbia.edu!eureka.co
> >lumbia.edu!jun
> >From: jun@eureka.columbia.edu (Jun Xu)
> >Newsgroups: comp.lang.idl-pvwave
> >Subject: multi-surface plot
> >Date: 4 Jul 1995 18:02:55 GMT
> >Organization: columbia astronomy department
> >Lines: 15
> >Sender: jun@parsifal.phys.columbia.edu (Jun Xu)
> >Distribution: world
> >Message-ID: <3tbvof\$ink@apakabar.cc.columbia.edu>
> >NNTP-Posting-Host: parsifal.phys.columbia.edu
> >Keywords: multi-surface plot
>
>
> >Does anyone know a way to make a multi-surface plot
> >in IDL?
>
> >We have 4 2D arrays z1(x,y), z2(x,y), z3(x,y) and z4(x,y),

|> >and we want to plot all 4 surfaces in one plot. These are
|> >surfaces at different height. It would be interesting to
|> >plot them together in one plot so that people can compare
|> >them.
|>
|> >Thanks in advance.
|>
|> >Cheers,
|>
|> >J. Xu
|>
|> May I suggest:
|>
|>
|> SURFACE,Z1,/SAVE
|> SURFACE,Z2,/T3D,XSTYLE=4,YSTYLE=4,ZSTYLE=4,/NOERASE
|> SURFACE,Z3,/T3D,XSTYLE=4,YSTYLE=4,ZSTYLE=4,/NOERASE
|> SURFACE,Z4,/T3D,XSTYLE=4,YSTYLE=4,ZSTYLE=4,/NOERASE
|>
|> You might want to also specify a different color for each variable. E-mail me
|> for details if interested.
|>
|> Leonard
|>
|>
|>
|>
|>
|> -----
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