
Subject: Re: Help overplotting contours and surface
Posted by [Wout De Nolf](#) on Mon, 31 May 2010 12:03:02 GMT
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On Sun, 30 May 2010 14:12:43 -0700 (PDT), Virgil
<chemical.rivas@gmail.com> wrote:

> How can I specify for that third contour to plot in the second panel,
> and the surface right under it?

I think the SAVE keyword to SURFACE is used for this. From the help:

SURFACE, Z, /SAVE
CONTOUR, Z, /NOERASE, /T3D , ZVALUE=...

Subject: Re: Help overplotting contours and surface
Posted by [Virgil](#) on Mon, 31 May 2010 16:05:32 GMT
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On May 31, 5:03 am, Wox <s...@nomail.com> wrote:

> On Sun, 30 May 2010 14:12:43 -0700 (PDT), Virgil
>
> <chemical.ri...@gmail.com> wrote:
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>> and the surface right under it?
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Thanks for your response. However, if I graph the surface before the
contour, the contour you cannot see the surface well. The contour
needs to be plotted before the surface.

Subject: Re: Help overplotting contours and surface
Posted by [d.poreh](#) on Tue, 01 Jun 2010 09:12:07 GMT
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On May 31, 5:03 am, Wox <s...@nomail.com> wrote:

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> <chemical.ri...@gmail.com> wrote:
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How could we do similar with shade_surf?
shade_surf,Z

Subject: Re: Help overplotting contours and surface
Posted by [Wout De Nolf](#) on Thu, 03 Jun 2010 08:41:36 GMT
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How about this:

```
; Set up the data for the plots
z = SHIFT(DIST(50), 25, 15)
z = EXP(-(z/15)^2)

; Set up 2 columns and 1 row for graphs
!P.MULTI = [0, 2, 1]
; Overplot contours
CONTOUR, Z, /FILL, NLEVELS = 7
CONTOUR, Z, /FOLLOW, NLEVELS = 7, /OVERPLOT

; Overplot contour and surface
surfr
CONTOUR, Z, /T3D, ZVALUE = 0, /FILL, NLEVELS = 7
!P.MULTI[0]=1
SURFACE, Z, /NOERASE, /T3D

!P.MULTI = 0
```

Subject: Re: Help overplotting contours and surface
Posted by [Wout De Nolf](#) on Thu, 03 Jun 2010 08:48:19 GMT
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On Tue, 1 Jun 2010 02:12:07 -0700 (PDT), Dave Poreh
<d.poreh@gmail.com> wrote:

> How could we do similar with shade_surf?

I'm not sure you can. I'd go for object graphics.
