
Subject: Re: contour overplotting

Posted by [pgrigis](#) on Tue, 15 Mar 2011 14:42:21 GMT

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On Mar 15, 8:56 am, David Fanning <n...@idlcoyote.com> wrote:

> abc writes:

>> I have read contour Plot chapter from your new book.
>> It is very helpful. But still I am not able to over-plot contours of
>> the second data set i.e x1,y1,z1 on my first data set i.e x,y,z with
>> different colors.
>> Actually my main aim is to find the point of intersection of these two
>> over plotted contour plots. I tried a lot but I don't know how to do
>> that.

>

> Well, I would do it something like this:

>
> data_1 = cgDemoData(2)
> x_1 = Scale_Vector(Findgen(41), 5, 20)
> y_1 = Scale_Vector(Findgen(41), 5, 20)
>
> data_2 = cgDemoData(3)
> x_2 = Scale_Vector(Findgen(41), 0, 12)
> y_2 = Scale_Vector(Findgen(41), 0, 12)
>
> cgLoadCt, 4, /Brewer, /Reverse
> cgContour, data_1, x_1, y_1, XRange=[0,20], \$
> YRange=[0,20], /FILL, NLEVELS=12
> cgContour, data_1, x_1, y_1, XRange=[0,20], \$
> YRange=[0,20], /OVERPLOT, NLEVELS=12
>
> cgLoadCt, 9, /Brewer, /Reverse
> cgContour, data_2, x_2, y_2, XRange=[0,20], \$
> YRange=[0,20], /FILL, NLEVELS=12, /OVERPLOT
> cgContour, data_2, x_2, y_2, XRange=[0,20], \$
> YRange=[0,20], /OVERPLOT, NLEVELS=12
>
> END
>
> You can see the result in this figure:
>
> http://www.idlcoyote.com/misc/double_contour.png
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.

- > Fanning Software Consulting, Inc.
- > Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>
- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")

I wonder if he instead wanted to have something like:

```
loadct,0  
tvlct,255,0,0,2  
x=findgen(512)  
xx=x#(x*0+1)  
contour,xx  
contour,transpose(xx),c_color=2,/noerase
```

?

Ciao,
Paolo
