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

?

Ciao,
Paolo
