
Subject: Re: contour overplotting

Posted by [David Fanning](#) on Tue, 15 Mar 2011 12:56:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

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.")
