
Subject: contours Level drawing problem

Posted by [vinesh](#) on Tue, 10 Apr 2007 07:46:02 GMT

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Dear All,

I am facing a strange problem with drawing the contours and specially with Contours Level using LEVELS and C_LEVELS. I am drawing contours using following code:

```
        xlon=lon
        xlat=lat
    ; Grid the data.
    Triangulate, xlon, xlat, triangles
    gridData = TriGrid(lon, lat, values, triangles,
[1.50,1.50])
        bout = [min(lon), min(lat), max(lon), max(lat)]

    ; Calculate xlon and ylat vectors corresponding to
gridded data.
        s = SIZE(gridData)
        zlon = FINDGEN(s(1))*((bout(2) - bout(0))/
(s(1)-1)) + bout(0)
        ylat = FINDGEN(s(2))*((bout(3) - bout(1))/
(s(2)-1)) + bout(1)
```

```
Contour, gridData, zlon, ylat, C_CHARTHICK=1.4,/OVERPLOT,
C_Colors=ccolors, $
        Levels=con_levels, C_Label=Replicate(1,nlevels+1)
```

This code works fine on images but sometime it creates problem in displaying the level in innermost contour surrounded by other levels. For instance, i have created contours of level 10. It will create different contours on the levels 20,10,0. It will labels the contour level for 20,10 and 0 and display the levels on 20,10 but it does not show label to 0 that will be innermost circle. Please guide how can i resolve this.

Subject: Re: contours Level drawing problem

Posted by [David Fanning](#) on Tue, 10 Apr 2007 14:38:08 GMT

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vineshgautam@gmail.com writes:

> This code works fine on images but sometime it creates problem in
> displaying the level in innermost contour surrounded by other levels.

- > For instance, i have created contours of level 10. It will create
- > different contours on the levels 20,10,0. It will labels the contour
- > level for 20,10 and 0 and display the levels on 20,10 but it does not
- > show label to 0 that will be innermost circle. Please guide how can i
- > resolve this.

I'm going to guess here. Make your display window bigger. :-)

You do not have complete control over which contours get labelled. The algorithm that is used requires that contours have some minimum "size" that will permit labelling. Most often, contours that do not get labelled, even when they are told to, do not meet the minimum size requirement. Making the output larger sometimes helps.

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
