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Subject: contour discontinuity

Posted by [Rosie](#) on Fri, 03 May 2013 10:35:07 GMT

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Hello,

I have plotted a 2D latitude vs. Longitude contour. When I do it from -180 longitude to +180 longitude scale, it is coming perfect. Now I want the same plot to be shown in 0 to 360 latitude. But there is a white vertical band coming at 180 longitude (in the middle of the plot).

I will be grateful for help.

Thanks.

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Subject: Re: contour discontinuity

Posted by [David Fanning](#) on Tue, 28 May 2013 00:23:56 GMT

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Sam writes:

> I want to label only zero contour. I used `c_levels=[0,0,0,1,0,0,0]` say for a total of 7 levels. Sometimes, there is a overlap of that 0 value. How to get rid of that? Moreover, if I want that label as only '0' rather than 0.0, can I do that?

```
data = cgdemodata(2)-750.0
cgContour, data, levels=0, c_annotation='0'
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

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Subject: Re: contour discontinuity

Posted by [Rosie](#) on Tue, 28 May 2013 14:05:17 GMT

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Sorry David, I should have written more. My `levels=findgen(7)*.5-3` and contour values are from -3.0 to +3.0. I want all the contours in the plot, but only labelling the zero contour without decimal.

Regards,

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Subject: Re: contour discontinuity

Posted by [David Fanning](#) on Tue, 28 May 2013 14:14:39 GMT

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Sam writes:

> Sorry David, I should have written more. My levels=findgen(7)\*.5-3 and contour values are from -3.0 to +3.0. I want all the contours in the plot, but only labelling the zero contour without decimal.

I would say use two contour commands. One with the levels you want, without the zero level, and the second as I showed you with the zero level overplotted.

Cheers,

David

--

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Subject: Re: contour discontinuity

Posted by [Rosie](#) on Tue, 28 May 2013 14:47:53 GMT

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It is working !

Can I place 0 with a little white sticker? It would be then easier to find 0 line.

Regards,

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Subject: Re: contour discontinuity

Posted by [Rosie](#) on Tue, 28 May 2013 14:56:26 GMT

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One more point. Here also I find two labels of zero are overlapping in one or two cases out of say 10 plots. Can I get rid of that overlapping?

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Subject: Re: contour discontinuity  
Posted by [David Fanning](#) on Tue, 28 May 2013 15:19:52 GMT  
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Sam writes:

> Can I place 0 with a little white sticker? It would be then easier to find 0 line.

If you are using the Contour or cgContour command, the answer is no. If you are using something else, the answer is probably no. :-)

Cheers,

David

--

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Subject: Re: contour discontinuity  
Posted by [David Fanning](#) on Tue, 28 May 2013 15:20:49 GMT  
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Sam writes:

> One more point. Here also I find two labels of zero are overlapping in one or two cases out of say 10 plots. Can I get rid of that overlapping?

If you are using the Contour or cgContour command, the answer is no. If you are using something else, the answer is probably no. :-)

Cheers,

David

--

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