
Subject: Problem with labeling contour lines in IDL
Posted by on Wed, 04 Mar 2009 09:24:51 GMT
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Hi all,

I have a problem with labeling contour lines in IDL:

First I defined the contour lines to be drawn:

```
c=[22,23,24,25,26,27,28,29,29.1,29.2,29.25,29.3,29.35]
```

Then I overplotted the contour to have the contour lines drawn and labeled:

```
contour,temp,dist,depth,levels=c,yrange=[53,1],xrange=[0.0,1 5],/  
overplot,xstyle=5,ystyle=5,c_labels=replicate(1,13)
```

As the result, I had all the contour lines defined plotted, but only some of them were labeled. When I decreased the size of labels, I got all the lines labeled. But then, they were too small to be read.

I think the problem with the labels is that, IDL needs perfectly linear parts on the contour lines to put the label on, and my unlabeled lines don't have suitable linear parts for the labels with size=1.0 . When I decrease the size (e.g. size=0.25), the labels became small enough to fit the linear parts.

Is there a way that I can force IDL to put labels on nonlinear parts?

Thanks in advance,
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