
Subject: Re: Why does IDL get this wrong?

Posted by [David Fanning](#) on Fri, 02 Jan 2004 18:29:09 GMT

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Bruce Bowler writes:

```
> x=[0,0,0,0,44.8,75.7,64.1,70.4,73.9,74.2,68.1,48.9,44.0,35.7 ,27.6,12.3,7.3,0]
> y=[-85,-75,-65,-55,-45,-35,-25,-15,-5,5,15,25,35,45,55,65,75 ,85]
> title='title'
> label='line1!Cline2'
> plot, x, y, yrange = [-90, 90], /ystyle, /xstyle, ytickformat = "(a1)",
> title = title, xtitle = label, xrange = [0, 100], ticklen = -0.03
>
> If ticklen is +0.03, all is fine, but setting it negative (to get the
> ticks outside the box) and the second line of the xtitle is lost.
```

Just give yourself some more room for the plot. Add a POSITION keyword:

```
> plot, x, y, yrange = [-90, 90], /ystyle, /xstyle, ytickformat = "(a1)", $
>   title = title, xtitle = label, xrange = [0, 100], ticklen = -0.03, $
>   POSITION=[0.1, 0.15, 0.9, 0.9]

> related question (in that involves plots), is there a way to draw the box
> around the plot (the boss likes that) but *not* draw the tickmarks on the
> non-primary lines of the box?
```

Plot, findgen(11), XStyle=8, YStyle=8 ; or 9 if you want exact ranges

Plots, [!X.CRange[1], !X.Crange[1]], [!Y.CRange[0], !Y.CRange[1]]

Plots, [!X.CRange[0], !X.Crange[1]], [!Y.CRange[1], !Y.CRange[1]]

Cheers,

David

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