
Subject: Re: changing the format of axis

Posted by [David Fanning](#) on Fri, 25 Nov 2011 14:09:46 GMT

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Hasan writes:

> I removed the Window keyword and added cgWindow but it seems I am
> missing something else. if you copy and past the following code and
> see the results, please, you can see what I mean.

Well, a couple of things. AL_LEGEND requires a WINDOW keyword, instead of an ADDCMD keyword to add the command to the graphics window. But the biggest problem is that you didn't set the Y range of your data on your first plot.

Since you are overplotting your other data sets, the first plot you create must have a range that is large enough to accommodate all the rest of the data you want to put on it. In this case, I also made the range large enough so I could easily fit the legend onto the plot.

```
y1=[576.000,687.000,416.000,325.000,271.000]
y2=[665.000,702.000,527.000,493.000,433.000]
y3=[2333.00,2409.00,2168.00,1791.00,1583.00]
y4=[225.000,371.000,149.000,168.000,60.0000]
y5=[863.000,912.000,590.000,652.000,695.000]
y6=[546.000,539.000,336.000,322.000,275.000]
y7=[1431.00,1523.00,1001.00,914.000,892.000]
x=[-12,-8,0,5,10]
```

cgwindow

```
cgplot,x,y1/10000,LineStyle=0,CHARSIZE =1,color='black', xtickv=x,$
  xticks=n_elements(x)-1,XTITLE='Class 1',YTITLE='Values', $
  Title='Differernt calsses values',yrange=[0.,3250.]/10000, /ADDCMD
cgplot,x,y2/10000,LineStyle=0,color='green',/overplot,/ADDCMD
cgplot,x,y3/10000,LineStyle=0, color='red',/overplot,/ADDCMD
cgplot,x,y4/10000,LineStyle=0, color='orange',/overplot,/ADDCMD
cgplot,x,y5/10000,LineStyle=0, color='magenta',/overplot,/ADDCMD
cgplot,x,y6/10000,LineStyle=0, color='cyan',/overplot,/ADDCMD
cgplot,x,y7/10000,LineStyle=0, color='blue',/overplot,/ADDCMD
```

```
al_legend,LineStyle=0,$
  ['class1','class2','class3','class4','class5','class6','class7']$
,color=
  ['black','green','red','orange','magenta','cyan','blue'],Position=[0.2,$
  0.85], /Normal,CHARSIZE=0.8, /WINDOW
END
```

This works correctly. :-)

Cheers,

David

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

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