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Subject: multi scatter plots, layout issues

Posted by [Matteo](#) on Wed, 15 Apr 2015 19:03:33 GMT

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Hi,

I'm interested in using CGSCATTER2D to produce multiple plots (3x2) in a single page. Not limited to CGSCATTER2D, I still find it difficult to control the positioning of multi plots and the size of their titles, specifically when I want to save to ps. For example the following instructions do not lead to the desired effect. Here I'm replotting the same plot 6 times, but the plots don't have an Aspect Ratio of 1, which I believe is mentioned in the documentation for CGSCATTER2D, and the resulting xgap is way too big:

```
-----  
data_1 = cgDemoData(1)+ RandomU(seed, 101) * 10  
data_2 = cgDemoData(1)+ RandomU(seed, 101) * 20 + 50  
  
cgWindow, WXSize=900, WYSize=1200  
positions = cgLayout([2,3], OXMargin=[0,0], OYMargin=[2,2], XGap=0, YGap=2, Aspect=1.0)  
  
FOR j=0,5 DO BEGIN  
  p=positions[*,j]  
  cgScatter2D, data_1, data_2, position=p, XTitle='Study Time (minutes)', NoErase=j NE 0,  
  charsize=0.5, PSym=16, FThick=2, /Add  
ENDFOR  
-----
```

I know the CG routines are built to be device independent, so can anybody tell me what's the most straightforward way to obtain something as nice as the ?

Should I give up CGLAYOUT and simply resort to P.MULTI? I would like the final result to look evenly distributed, say as in: [http://www.idlcoyote.com/gallery/small\\_multiple\\_contour\\_plot.png](http://www.idlcoyote.com/gallery/small_multiple_contour_plot.png) or [http://www.idlcoyote.com/gallery/histogram\\_plot.png](http://www.idlcoyote.com/gallery/histogram_plot.png).

Thanks,  
matteo

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