
Subject: getting an IDLgrPlot drawn
Posted by [Laurens](#) on Fri, 24 Nov 2006 14:11:03 GMT
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Hi all,

At first I was kinda embarrassed to ask this but after spending my complete day at finding a solution which appearantly I didn't find, I don't know if the embarrassement would be fair :)

Problem: I want to draw an IDLgrPlot, with some axes in my main program. I have an array of [x,y] containing the data. How call the plot in the following way:

```
-----  
info.Scene = Obj_New('IDLgrScene')  
info.View = Obj_New('IDLgrView', VIEWPLANE_RECT =  
[0,0,info.xsize_widget, info.ysize_widget], /DOUBLE)  
info.Model = Obj_New('IDLgrModel')  
  
info.Scene->Add, info.View  
info.View->Add, info.Model  
  
info.Plot = obj_new('IDLgrPlot',[xData,yData])  
  
info.View->SetProperty, Color=[0,0,0]  
info.Plot->SetProperty, Color=[255,255,255]  
  
info.Model->Add, info.Plot  
  
(*info.ptrDrawWidget)->Draw, info.View  
(*info.ptrDrawWidget)->Draw, info.Scene  
-----  
IDL> print, xData  
      0.00000000    51.000000    102.00000    153.00000  
204.00000    255.00000    306.00000    357.00000  
408.00000    459.00000    510.00000    561.00000  
612.00000    663.00000    714.00000  
      765.00000    816.00000    867.00000    918.00000  
969.00000    1020.0000    1071.0000    1122.0000  
1173.0000    1224.0000    1275.0000    1326.0000  
1377.0000    1428.0000    1479.0000  
      1530.0000    1581.0000    1632.0000    1683.0000  
1734.0000    1785.0000    1836.0000    1887.0000  
1938.0000    1989.0000    2040.0000    2091.0000  
2142.0000    2193.0000    2244.0000  
      2295.0000    2346.0000    2397.0000    2448.0000  
2499.0000    2550.0000    2601.0000    2652.0000
```

```

2703.0000    2754.0000    2805.0000    2856.0000
2907.0000    2958.0000    3009.0000
    3060.0000    3111.0000    3162.0000    3213.0000
3264.0000    3315.0000    3366.0000    3417.0000
3468.0000    3519.0000    3570.0000    3621.0000
3672.0000    3723.0000    3774.0000
    3825.0000    3876.0000    3927.0000    3978.0000

```

```

-----
IDL> print, yData

```

```

    0.0253906  0.0402832  0.0471191  0.0649414  0.0666504
0.0651855  0.0834961  0.0805664  0.0920410  0.0808105
0.0927734  0.0820313  0.0869141  0.0817871  0.0952148
0.105957  0.0959473  0.111084  0.108154
    0.118408  0.132324  0.132080  0.150146  0.161133
0.168701  0.174072  0.181641  0.184814  0.189453
0.189453  0.191406  0.211182  0.210449  0.208496
0.220215  0.222168  0.219482  0.234619
    0.222168  0.215820  0.214844  0.221924  0.217773
0.226807  0.224609  0.216064  0.219971  0.226807
0.220459  0.226318  0.231445  0.232422  0.224365
0.231689  0.230469  0.218750  0.210938
    0.221924  0.222900  0.230957  0.219727  0.237793
0.224854  0.216797  0.221680  0.218018  0.224121
0.227783  0.233887  0.231934  0.226074  0.217041
0.222900  0.208740  0.221924  0.220459
    0.201172  0.214844  0.220459

```

```

=====

```

Now, when I execute this code, I don't get what I want. I get some strange lines, of which you can view the result at http://sophorus.mine.nu/idlgrplot_weird.jpg.

When I call iPlot just with the data set, I get exactly what I want. That is, the figure is as it should be, but I need it in my program (no ext. window) and need to draw additional things on it.

Now why isn't this working with IDLgrPlot? Apparently I'm missing something crucial :) but google nor davids site (about the resources I use for getting to know what can and what can't be done :P) seem to help me in this one.

Or, of course...I just can't search hehe :)

Who can help me? Thnx in advance!