Subject: How to get all graphics elements in a Window?
Posted by Ayris Narock on Fri, 12 May 2017 20:45:03 GMT

Hi,

I feel like this should be a simple question but I simply can not find any documentation. It seems like this functionality should exist . . . I hope someone can help.

After using the Plot() or Window() functions I can get a reference to the window   (help lists it as a <GRAPHICSWIN>)

I can access the graphics elements contained within if I already know their names using bracket notation, like so:

```
--------------
x = Findgen(200)
y = Sin(x*2*!PI/25.0)*Exp(-0.01*x)
y2 = Cos(x*2*!PI/25.0)*Exp(-0.01*x)
p = PLOT(x, y, TITLE='PanHandler Test',name="name1")
p2 = PLOT(x,y2, name="name2",OVERPLOT=p)

w = GetWindows(/CURRENT)
p1 = w['name1']
p2 = w['name2']
p1.Select
p2.Select
--------------
```

But, if I don't already know 'name1' and 'name2', and just have the reference to the window, w, how can I retrieve a reference to all the graphics contained in w?

Thanks,
Ayris

Subject: Re: How to get all graphics elements in a Window?
Posted by Markus Schmassmann on Sat, 13 May 2017 13:33:55 GMT

Am 12.05.2017 um 22:45 schrieb Ayris Narock:
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> But, if I don't already know 'name1' and 'name2', and just have the reference to the window, w, how can I retrieve a reference to all the graphics contained in w?

if you know one of the graphic elements names or have it's handle, you
can get all, by

p.Select, /all
pp=w.getSelect()

otherwise use

pp=w.HitTest(w.dimensions[0]/2,w.dimensions[1]/2, $
    dimensions=w.dimensions)

but this will give you more, incl. some axes, you will then have to
filter out what you want.

Markus

Subject: Re: How to get all graphics elements in a Window?
Posted by Ayris Narock on Sat, 13 May 2017 14:36:08 GMT
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That makes perfect sense, Thank you!