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Subject: Re: How to get all graphics elements in a Window?

Posted by [Markus Schmassmann](#) on Sat, 13 May 2017 13:33:55 GMT

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Am 12.05.2017 um 22:45 schrieb Ayris Narock:

> 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?

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

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