
Subject: Re: howto select and deselect plotting windows?

Posted by [Paul Van Delst\[1\]](#) on Tue, 22 Feb 2011 21:06:37 GMT

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Jeremy Bailin wrote:

> On Monday, February 21, 2011 1:13:09 PM UTC-5, David Fanning wrote:

>> simona bellavista writes:

>>>

>>> I am looking for a way to select and deselect plotting windows, going back and forth between them. I mean I would

>>> like to

>>>

>>> select <window 0> plot, x1, y1

>>>

>>> and then

>>>

>>> select <window 1> plot, t, s

>>>

>>> and then again

>>>

>>> select <window 0> oplot, x2, y2

>>>

>>> How do I do this? I remember I read something like that a while ago, but now I cannot find it anymore...

>> You use WSet to select the current graphics window. Or, if you are using resizable graphics windows from the

>> Coyote Graphics System, you would use cgSet.

>>

>> http://www.idlcoyote.com/graphics_tips/coyote_graphics.html

>

> Incidentally, a *huge* advantage to doing it within cgWindows is that the data coordinate system of each window is

> preserved when you switch back and forth. So if you overplot things on window 0, they end up placed correctly on

> window 0's coordinate system. Compare the locations of the plusses:

>

> IDL> window,0 IDL> plot, [0,1],[0,1] IDL> window,1 IDL> plot, [0,2],[0,2] IDL> wset,0 IDL> oplot, psym=1, [0.1],

> [0.8]

>

> with

>

> IDL> cgwindow, 'plot', [0,1],[0,1] IDL> wids = cgquery() IDL> cgwindow, 'plot', [0,2],[0,2] IDL> cgset, wids[0] IDL>

> cgwindow, 'oplot', [0.1],[0.8], psym=1, /addcmd

Just for completeness, same goes for function graphics in IDL v8+

```
IDL> pA=plot([0,1],[0,1])  
IDL> pB=plot([0,2],[0,2])  
IDL> pA=plot([0.1], [0.8],symbol='diamond',/overplot)
```

cheers,

paulv
