
Subject: How to clear a NG window without erase method?

Posted by [Paul Van Delst\[1\]](#) on Tue, 06 Aug 2013 18:03:22 GMT

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Hello,

This is probably a silly question, but how does one clear a New Graphics window without using the erase method?

Actually, let me put it another way by stating what I want to do:

- 1) Produce multiple plots, but all in the same window, separated by a pause.
- 2) Save each plot reference in a hash that is returned to the caller.

For example, consider the test code below. I want to return all the plot references in the "gref" hash post-all-the-plotting:

```
-----%<-----
pro testplotcopy, gref = gref

; Pretend data
x = dindgen(100)
y = x^2

; Create a test window
owin = window(window_title='test window')

; Create an empty hash to hold the plot objects
gref = hash()

; Let's do 10 plots
for i = 1, 10 do begin

    ; Let's display all the plots in the same window
    owin.Erase

    ; Plot stuff
    gref[i] = plot(x,y,current=owin)

    ; Pause to view and reflect, then continue
    q = GET_KBRD(1)

endfor

end
-----%<-----
```

The problem with this is the use of the "erase" method - that deletes all the current graphics objects in the window.

Without the erase everything just gets plotted on top of everything else.

So, how does one clear a graphics window for subsequent plots, without deleting all the previous plot references?

I'm having a brainfade on this, so thanks for any info/pointers/tips.

cheers,

paulv

Subject: Re: How to clear a NG window without erase method?
Posted by chris_torrence@NOSPAM on Thu, 15 Aug 2013 17:42:18 GMT
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Hi Paul,

Did you ever get this working? I'm a little confused as to what you are trying to do. Do you want the plot lines to all remain, but get hidden?

If so, you could just do:

for i = 1, 10 do begin

 ; Plot stuff

 gref[i] = plot(x,y, /overplot)

 ; Pause to view and reflect, then continue

 q = GET_KBRD(1)

 ; Hide the plot line but not the axes

 gref[i].hide = 1

endfor

Does this help?

-Chris

ExelisVIS
