
Subject: How to access properties of multiple plots in a function graphics window?

Posted by [Paul Van Delst\[1\]](#) on Tue, 12 Nov 2013 17:22:02 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I've got code something like the following in a procedure to plot barplots of some stats in a 2x2 grid. A legend for the datasets is created only for the first plot, i.e. b[0].

```
w = WINDOW()
b = OBJARR(n_plots)

FOR j = 0, n_plots-1 DO BEGIN
  index = 0
  FOR i = 0, n_datasets-1 DO BEGIN
    b[j] = BARPLOT( x, y[*],i,j), $
               NBARS=n_datasets, $
               INDEX=index++, $
               NAME = dataset_name[i], $
               OVERPLOT = i, $
               LAYOUT = [2,2,j+1], $
               /CURRENT )
    IF ( j EQ 0 ) THEN BEGIN
      IF ( i EQ 0 ) THEN $
        l = LEGEND( TARGET=b[j] ) $
      ELSE $
        l.Add, b[j]
    ENDIF
  ENDFOR
ENDFOR
```

Works great. And I return the WINDOW object reference, w, back to the caller.

What I want to do is access w and modify the properties of the various plots (e.g. font size, legend font size) via the "w" object reference.

But I can't find any info in the IDL help that will tell me what the object property references should be.

For instance, if I have access to the object array "b" I can change the font size of the second plot simply by doing:

```
b[1].font_size = 9
```

and colour of the title of the third plot by (from IDL documentation)

```
b[2].title.color = "blue"
```

But how do I do that via the WINDOW reference, "w"?

Each individual plot (the b[j]'s) has been added to the window graphic via the "CURRENT" keyword, but what's the syntax for the accessing those plots via the object reference?

I hope my description of what I want to do makes sense.

Thanks for any info.

cheers,

paulv
