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Subject: Re: Coyote's BIG Idea

Posted by [David Fanning](#) on Mon, 24 Jan 2011 16:31:46 GMT

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David Fanning writes:

> This is friggin' UN-BE-LEAVE-A-BLE!

OK, I have the modified programs ready for you to try out.  
There are LOTS of them, so you need a new Coyote Library  
download.

Here is how it works. FSC\_Window can be used pretty  
much like the Window command:

```
IDL> FSC_Window
```

Produces a blank window. If you want to draw something  
in that window, you have to set the /WINDOW keyword on  
any Coyote Graphics routine. This will cause the  
FSC\_Window to add or replace the command, as necessary,  
in its command list and display the graphic.

```
; Display a line plot in the window.
```

```
FSC_Plot, Loaddata(1), /Window
```

```
; Now display a filled contour plot with overlay and colorbar.
```

```
LoadCT, 33
```

```
data = LoadData(2)
```

```
FSC_Contour, data, /Fill, Position=[0.1,0.1,0.9,0.75], /Window
```

```
FSC_Contour, LoadData(2), /Overplot, COLOR='gray', /Window
```

```
FSC_Colorbar, RANGE=[Min(data), Max(data)], /Window
```

```
; Now display a surface.
```

```
FSC_Surf, data, /Shaded, /Elevation, /Window
```

I'm working on a configuration routine so that you can globally  
configure the Coyote Graphics commands to go into normal graphics  
windows or into FSC\_Window graphics windows and don't have to set  
the WINDOW keyword every time.

Now create several windows.

```
FSC_Window, WTitle='Window 1'
```

```
FSC_Window, WTitle='Window 2'
```

```
FSC_Window, WTitle='Window 3'
```

Gather information about all the FSC windows on the display.

```
winIDs = FSC_QueryWin(TITLE=titles, COUNT=count)
FOR j=0,count-1 DO Print, winIDs[j], ' ', titles[j]
```

Select the window entitled "Window 1". You can select on window index number, title, widget ID, or object reference. Your choice with different keywords.

```
FSC_WSet, 'Window 1', /TITLE
```

Put a plot in this window.

```
FSC_Plot, Loaddata(1), /Window
```

Select another window, put a contour in there.

```
FSC_WSet, 'Window 2', /TITLE
FSC_Contour, data, /Fill, Position=[0.1,0.1,0.9,0.75], /Window
FSC_Contour, LoadData(2), /Overplot, COLOR='gray', /Window
FSC_Colorbar, RANGE=[Min(data), Max(data)], /Window
```

Select another window, put a surface in there.

```
FSC_WSet, 'Window 3', /TITLE
FSC_Surf, data, /Shaded, /Elevation, /Window
```

All windows resizeable. All windows can make PostScript files.  
All windows can produce fantastic looking raster image output if ImageMagick is installed.

UN-FRIGGIN-B-LEAVE-A-BLE!!!

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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