

On Friday, June 23, 2017 at 2:26:06 AM UTC+2, Dick Jackson wrote:

> Hi all,
>
> Here's a simplified explanation of what I'm doing with my widget application and Function Graphics, and what I'm having trouble with. I make a draw widget and use the Plot() function to make a plot, which the user can interact with:
>
> wDraw = Widget_Window(...)
>
> ; after /Realizing widgets
>
> Widget_Control, wDraw, GET_VALUE=oWindow
>
> oWindow.Select
>
> oPlot = Plot(...)
> oLegend = Legend(...)
>
> And I also have a Widget_Table with other details.
>
> Once the user is happy with what is shown in the plot and the table, I'd like to provide a Print feature to make a PDF that shows both of those on one page.
>
> I know the table won't come automatically (I'll have to lay that out with TEXT() objects, which is fine), but is there a way I can use oPlot and oLegend (or simply, oWindow) as *part* of what I want on a PDF page and add other things to that page? I know that oWindow.Save, 'myfile.pdf' creates a lovely PDF page of the current state of the window (which contains the plot), but I want to add other things to the page.
>
> If I could make a new oPDFWindow object and add oPlot and oLabel to it, then add my table text objects, I could then do oPDFWindow.Save and I'm set.
>
> oWindow is a GraphicsWin object, which Help, /OBJECTS tells me has:
>
> Known Procedure Methods:
> IDLITWINDOW::ADD
>
> ... so I tried:
>
> oPDFWindow = GraphicsWin()
> oPDFWindow.Add, oPlot
>
> and I got:
>

> % IDLGRMODEL::ADD: Invalid object reference: <ObjHeapVar434720>.
>
> ... as that Add method seems to be looking for regular "object graphics" objects.
>
> The Plot() function calls the procedure "Graphic" which goes down a pretty deep rabbit hole...
Has anyone else been down there?
>
> Yes, I could make a routine to create the plots/legend, and call it once when I send it to screen
and again when I send it to PDF, but I'd like to print to PDF the current state of the plots/legend,
which the user may have customized on-screen.
>
> Other ideas? Thanks for reading.
>
> Cheers,
> -Dick
>
> Dick Jackson Software Consulting Inc.
> Victoria, BC, Canada --- <http://www.d-jackson.com>

Hi Dick,

I'm not sure if this would solve your problem, but I just faced a similar problem and I will try solving it this way. How about using the copyWindow() method?

I'm using function graphics and I have two widget_window(s) with image and plot. I would like to export a movie of image+plot. Combining both in the same widget_window is not an option because I cannot then export a single one of them. Therefore, I think that the only option is :

```
ww = window(dimensions=[2*nx,ny], /buffer)
o1 = image(sourceObj1.copyWindow(), margin=0, layout=[2,1,1], current=ww)
o2 = image(sourceObj2.copyWindow(), margin=0, layout=[2,1,2], current=ww)
ww.save, myFileName
```

You can of course play with window dimensions and margin to get the right fit.
I hope it helps.

Cheers,
Helder
