

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

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