
Subject: Re: pictures without borders, full screen pictures

Posted by [davidf](#) on Mon, 16 Feb 1998 08:00:00 GMT

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

Sangeet Singh (singh@xraylith.wisc.edu) writes:

> I'm running IDL 4.x remotely on a Sun using an xterm emulator on my
> Win 95 machine. IDL and my xterm emulator both agree on my screen
> size (currently 800 x 600). Is it possible for me to use IDL to
> display a 800 x 600 image array so that it will fill up the entire
> screen, without showing any window borders etc.? When I use the
> WINDOW command, the window is off center and I have the title bar
> and window borders to contend with. Can I get rid of the bar and the
> borders for any size image?

You can get rid of the title bar, but you can't get rid of the borders.

A window is, after all, a window and there are rules about windows. One of which is they have borders. The borders can be quite small. This code on my Windows NT machine gives me a window that is actually 802 by 602.

```
Function BigWindow, wid
tlb = Widget_Base(TLB_Frame_Attr=4)
drawID = Widget_Draw(tlb, XSize=800, YSize=600)
Widget_Control, tlb, /Realize
Widget_Control, drawID, Get_Value=wid
WSet, wid
Widget_Control, tlb, TLB_GET_SIZE=thisSize
Print, 'Actual window size: ', thisSize
RETURN, tlb
END
```

```
widgetID = BigWindow(wid)
TVScl, Dist(800, 600)
Wait, 5
Widget_Control, widgetID, /Destroy
END
```

> In other words, if I want to be able to paint the (m,n)-th pixel on my
> display red, can I use IDL to do it?

No. :-)

Cheers,

David

David Fanning, Ph.D.

Subject: Re: pictures without borders, full screen pictures
Posted by [David Foster](#) on Wed, 18 Feb 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sangeet Singh wrote:

>
> I'm running IDL 4.x remotely on a Sun using an xterm emulator on my
> Win 95 machine. IDL and my xterm emulator both agree on my screen
> size (currently 800 x 600). Is it possible for me to use IDL to
> display a 800 x 600 image array so that it will fill up the entire
> screen, without showing any window borders etc.? When I use the
> WINDOW command, the window is off center and I have the title bar
> and window borders to contend with. Can I get rid of the bar and the
> borders for any size image?

Here's one possible solution (I believe):

```
x_margin = 5      ; Determine these empirically  
y_margin = 25
```

```
device, get_screen_size=s_size  
b = widget_base(xoffset=0, yoffset=0)  
d = widget_draw(b, xsize=s_size(0), ysize=s_size(1))  
widget_control, b, map=0  
widget_control, b, /realize  
widget_control, b, tlb_set_xoffset=-x_margin, $  
    tlb_set_yoffset=-y_margin  
widget_control, b, /map
```

I don't know how you can determine the size of the margins and title bar that the window system creates for the widget. This information is not available using WIDGET_CONTROL, WID, /GEOMETRY.

Be aware that if you do this, you will have no way to kill the widget! Put a "Cancel" button overlaid on the draw widget and make a simple event handler so you can destroy your widget.

Hope this helps.

Dave

--

~~~~~  
David S. Foster      Univ. of California, San Diego  
Programmer/Analyst   Brain Image Analysis Laboratory  
foster@bial1.ucsd.edu   Department of Psychiatry  
(619) 622-5892      8950 Via La Jolla Drive, Suite 2240  
La Jolla, CA 92037  
~~~~~

Subject: Re: pictures without borders, full screen pictures
Posted by [a2652099](#) on Wed, 18 Feb 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

singh@xraylith.wisc.edu (Sangeet Singh) wrote:

> I'm running IDL 4.x remotely on a Sun using an xterm emulator on my
> Win 95 machine. IDL and my xterm emulator both agree on my screen
> size (currently 800 x 600). Is it possible for me to use IDL to
> display a 800 x 600 image array so that it will fill up the entire
> screen, without showing any window borders etc.? When I use the
> WINDOW command, the window is off center and I have the title bar
> and window borders to contend with. Can I get rid of the bar and the
> borders for any size image?

Under OpenWindows I once used something like

WINDOW, xsize=800, ysize=600, xpos=-10, ypos=dontknow

and it worked, the window covered the whole screen, the borders lay just outside.

Alex

--

Alex Schuster Wonko@weird.cologne.de PGP Key available
alex@pet.mpin-koeln.mpg.de
