
Subject: Re: Max X-window width under OS X/X11
Posted by [Liam Gumley](#) on Mon, 23 Aug 2004 21:06:26 GMT
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Kenneth Bowman wrote:

> I have a Mac with a 1600 x 1024 display. I want to create a window to
> display an image that is, say, 2000 x 200. (I know that I won't be able
> to view the whole thing at one time.)
>
> I find that the widest window I can create is 1541 pixels.
>
> I don't know any reason why this would be an IDL issue. Does anyone
> know if this is a generic X11 issue or an Apple X11 issue? (I thought
> one could create windows larger than the display under X.)
[stuff deleted]

Ken,

Can you create a scrolling widget draw window? For example:

```
base = widget_base()
draw = widget_draw(base, xsize=2000, ysize=200, $
  x_scroll_size=1500, y_scroll_size=200)
widget_control, base, /realize
```

Cheers,
Liam.
Practical IDL Programming
<http://www.gumley.com/>

Subject: Re: Max X-window width under OS X/X11
Posted by [K. Bowman](#) on Mon, 23 Aug 2004 21:20:48 GMT
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In article <cgdm8i\$b1q\$1@news.doit.wisc.edu>,
Liam Gumley <Liam.Gumley@ssec.wisc.edu_NOSPAM> wrote:

> Can you create a scrolling widget draw window? For example:
>
> base = widget_base()
> draw = widget_draw(base, xsize=2000, ysize=200, \$
> x_scroll_size=1500, y_scroll_size=200)
> widget_control, base, /realize

Hi Liam,

Yes, that does work, and will do what I need to do in this case.

I'm still mildly puzzled about why I can't make a large plain window,
but life is too short to dwell on that for long. ;-)

Thanks! Ken

Subject: Re: Max X-window width under OS X/X11
Posted by [David Fanning](#) on Mon, 23 Aug 2004 21:56:51 GMT
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Kenneth Bowman writes:

> I'm still mildly puzzled about why I can't make a large plain window,
> but life is too short to dwell on that for long. ;-)

I don't know. In some circles not being allowed to create
a viewable window larger than your display might be considered
a Good Thing. Save you having to think about the philosophical
conundrum of where that stuff *goes* when you write it to
an area that can't be seen, for one thing. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: Max X-window width under OS X/X11
Posted by [mperrin+news](#) on Mon, 23 Aug 2004 22:03:56 GMT
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Kenneth Bowman <k-bowman@null.tamu.edu> wrote:

> I have a Mac with a 1600 x 1024 display. I want to create a window to
> display an image that is, say, 2000 x 200. (I know that I won't be able
> to view the whole thing at one time.)
>
> I find that the widest window I can create is 1541 pixels.
>
> I don't know any reason why this would be an IDL issue. Does anyone
> know if this is a generic X11 issue or an Apple X11 issue? (I thought
> one could create windows larger than the display under X.)

It's definitely an Apple issue. I tried reproducing it on my 15" Powerbook and found that I could create at most a 1243 pixel wide window, on my 1280 pixel display. However, adjusting the size of the Dock changes the size of the maximum allowable window! (Note that my Dock is vertical, on the right hand side of my screen) The maximum window size appears to be defined as "the size which will just barely fit entirely on the screen between the Dock and the other edge of the monitor".

Quite strange, and almost certainly a bug with Apple X11 in general, not IDL. I can't create an xterm larger than that size, either. (But of course all this works perfectly well on my Solaris box...)

- Marshall

Subject: Re: Max X-window width under OS X/X11
Posted by [Mark Hadfield](#) on Mon, 23 Aug 2004 23:09:29 GMT
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David Fanning wrote:

> Kenneth Bowman writes:

>

>

>> I'm still mildly puzzled about why I can't make a large plain window,
>> but life is too short to dwell on that for long. ;-)

>

>

> I don't know. In some circles not being allowed to create
> a viewable window larger than your display might be considered
> a Good Thing. Save you having to think about the philosophical
> conundrum of where that stuff *goes* when you write it to
> an area that can't be seen, for one thing. :-)

Off the edge of the screen, of course.

It's metaphors all the way down, I'm afraid.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

m.hadfield@niwa.co.nz

National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: Max X-window width under OS X/X11
Posted by [David Fanning](#) on Mon, 23 Aug 2004 23:37:15 GMT
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Mark Hadfield writes:

> It's metaphors all the way down, I'm afraid.

Don't ya know!

I've been thinking lately that the people who seem to struggle most with computer programming are the ones who struggle most with metaphor. There are days when it ALL seems metaphorical to me. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: Max X-window width under OS X/X11

Posted by [Richard French](#) on Wed, 25 Aug 2004 02:23:02 GMT

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On 8/23/04 4:16 PM, in article k-bowman-DB4D23.15161423082004@news.tamu.edu, "Kenneth Bowman" <k-bowman@null.tamu.edu> wrote:

> I have a Mac with a 1600 x 1024 display. I want to create a window to
> display an image that is, say, 2000 x 200. (I know that I won't be able
> to view the whole thing at one time.)

If you have two side-by-side monitors, you might think you could make a window the full width of the two screens, which you WOULD be able to see at one time. But this doesn't work, either:

IDL> help,/dev

Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z

Current graphics device: X

Server: X11.0, The XFree86 Project, Inc, Release 40300000

Display Depth, Size: 24 bits, (2560,1024)

IDL> window,xs=2560,ys=300

IDL> help,/dev

Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z

Current graphics device: X

Server: X11.0, The XFree86 Project, Inc, Release 40300000

Display Depth, Size: 24 bits, (2560,1024)

Window Status: -----

```
id typ( x, y, backing store) id typ( x, y, backing  
store)  
0: Win(1280, 300, Req from Server)
```

In fact, the width of the window is dictated by the narrower of the two screens (in this case, the 'main' screen - a PowerBook G4)

I've not figured out how to get around this. Part of the reason for having two monitors is to be able to see things that are larger than one screen.

Dick French
