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Subject: Re: Issue with 6.3, Mac OS X 10.4, 3 displays, X11

Posted by [K. Bowman](#) on Tue, 17 Oct 2006 14:29:35 GMT

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In article <2006101709032616807%gurman@gsfcnasagov>,  
Joseph B. Gurman <gurman@gsfc.nasa.gov> wrote:

> This one is currently stumping the ITTvis support folks, so I  
> thought I'd see if anyone else had stumbled upon it.  
>  
> We're using a PowerMac G5 Quad with an NVIDIA Quadro 4500 (2 x  
> DualLink DVI) video card to drive two Apple 30-inch Cinema HD Displays  
> (2560 x 1600 LCD), plus an NVIDIA GeForce 6600 to run a smaller flat  
> panel (1280 x 1024 native res. LCD). The two large displays, which will  
> be mounted on a hallway wall, are meant to display time-lapse movies  
> from the imaging instruments (which have 2048 x 2048 detectors) on the  
> twin STEREO spacecraft, due for launch next week; the smaller display  
> is for control (e.g. a Terminal window to run IDL).  
>  
> When we use the old PowerLan eXodus X11 implementation, we can get  
> a single, large, X11 window that spans the two large displays.  
> Animation, however, is slow, so we turned to Apple's X11, which for  
> some reason responds to an IDL request of the form:  
>  
> IDL> window, 0, xsize = 4400, ysize = 1500  
>  
> with a considerably smaller window (~ 1200 x 960), on one of the large  
> displays. Curiously, the small window can be expanded by dragging on  
> the control tab at the lower right corner, but not beyond the  
> boundaries of that single display.  
>  
> xdpinfo indicates that our X11 setup does include Xinerama  
> (screen-spanning) support, so my suspicion now focuses on X11 limiting  
> itself to the size of the small display despite putting the window on  
> one of the large displays. I may remove the GeForce and see if a  
> single-card, two-display configuration behaves differently.  
>  
> I realize not many folks on this group are likely to have two  
> display cards and two massive displays, but if you do (regardless of  
> platform), I'd be interested to hear if you've experienced similar  
> issues.  
>  
> Thanks in advance,  
>  
> Joe Gurman

There was a thread about this a few years ago.

[http://groups.google.com/group/comp.lang.idl-pvwave/browse\\_thread/thread/cd781aa11aba95e7/f20ed38967b39bb0?lnk=st&q=&rnum=4&hl=en#f20ed38967b39bb0](http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/cd781aa11aba95e7/f20ed38967b39bb0?lnk=st&q=&rnum=4&hl=en#f20ed38967b39bb0)

It may be that the Mac X11 is limiting itself to the size of the "main" window.  
Have you tried rearranging the windows in the Monitors control panel?

Ken Bowman

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