
Subject: IDL Program Updates

Posted by [davidf](#) on Mon, 17 May 1999 07:00:00 GMT

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Hi Folks,

Someone (I won't say who because I don't want to embarrass him) actually downloaded the program XWindow, a "smart" resizeable graphics window, from my web page. And low and behold it didn't work the way it was suppose to work. What he found is that when he grabbed the window on a UNIX machine and just resized in the X direction that the Y direction changed as well, if just by a small amount.

I had never seen this behavior. But then I don't usually run my programs on UNIX machines either. In any case, this behavior turns out to be a bug in (at least) the 5.2 version of IDL, in which the event.x and event.y fields of a resizeable top-level base that has a menu bar inside it reports the wrong size information. The work-around is to keep track of the top-level base size yourself, and then to update the size with the difference between the old size and the new size, obtained like this:

```
Widget_Control, event.top, TLB_GET_SIZE=newsize
```

So, if anyone else has downloaded this program (doubtful, apparently) I put a new version on my web page that has the work-around incorporated in it:

<http://www.dfanning.com/programs/xwindow.pro>

I have also been working through a lot of my old object graphics programs (XPLOT, XSURFACE, and XCONTOUR) fixing things that I didn't used to understand and re-arranging code so that it makes more sense, etc. These programs are MUCH better than they used to be. So if anyone uses them, even as examples, you might want to get an update.

You can find them here:

<http://www.dfanning.com/documents/programs.html>

Another program that has seen recent upgrades is TVImage. This replacement for the TV command can now set the decomposed keyword correctly depending upon whether the image is 8-bit or 24-bit, so you don't have to worry about setting it, works the same in PostScript and on the display, works with

!P.MULTI, and even has a keyword to make it display images (if you want to) *exactly* like the TV command, but with the decomposed smarts left in. You can find it here:

<http://www.dfanning.com/programs/tvimage.pro>

Cheers,

David

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

Toll-Free IDL Book Orders: 1-888-461-0155
