
Subject: Re: FSC_surface and xsurface under LINUX/IDL5.3

Posted by [davidf](#) on Mon, 27 Nov 2000 08:00:00 GMT

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Andrew Meigs (ameigs@jet.uk) writes:

- > This is a question that I probably should have put to David alone, but it
- > could be a general object graphics problem under LINUX. So here goes:
- >
- > I have been using David Fanning's object graphics surface plotting routines,
- > xsurface and recently fsc_surface, under Win-NT4 with no problems; however
- > under Linux and IDL5.3 the resizing feature seems to not work. The plotted
- > window 'wants' to be one size no matter how big or small you make the window
- > frame. All other features seem to work well.
- >
- > Has anyone had similar problems with IDL under LINUX? Does anyone know of a
- > solution?

This reminds me that I **have** to find some time to update my web page. Unfortunately (fortunately?), I'm selling so many books this week there is no time. :-)

This turns out to be a bug in IDL 5.3. I wrote these programs to be "object graphic" example programs. Thus, when the window is resized, I wanted to dimension the window in the "object-graphics" way. So I do this:

```
info.theWindow->SetProperty, Dimensions[event.x, event.y]
```

This works in all but the UNIX versions of IDL 5.3 apparently, so I wasn't aware of the problem until recently.

The work-around is to simply resize the draw widget:

```
Widget_Control, info.drawID, Draw_XSize=event.x, Draw_YSize=event.y
```

But since the "proper" way is working in IDL 5.4 (as I understand it), I'm reluctant to put in a kludgy work-around.

Anyway, I wanted to get an article written that explains the problem. (And I guess I have it about half done now.) If you have problems getting your version to work, let me know and I'll send you the fix.

Cheers,

David

> BTW: David's new book is excellent.

You wouldn't want to tell that to the folks at Amazon would you? Thanks to so many old friends my book is rocketing up the charts again, but friendly reviews do wonders for book sales. The downside, of course, is that I have less time to write articles. :-)

--

David Fanning, Ph.D.

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

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

Subject: Re: FSC_surface and xsurface under LINUX/IDL5.3
Posted by [Liam E. Gumley](#) on Tue, 28 Nov 2000 08:00:00 GMT
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Andrew Meigs wrote:

> I have inserted the kludge-- drawID in the info structure and if
> !version.os_family EQ 'unix' and !version.release EQ '5.3' then
> Widget_Control in the resize routine.

Instead of

!version.release EQ '5.3'

you should use

float(!version.release) LE 5.3

to handle versions earlier than 5.3. Converting to float type handles cases such as IDL 5.0.3.

Cheers,

Liam.

<http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: FSC_surface and xsurface under LINUX/IDL5.3
Posted by [Andrew Meigs](#) on Tue, 28 Nov 2000 08:00:00 GMT
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Thanks David,

I have inserted the kludge-- drawID in the info structure and if !version.os_family EQ 'unix' and !version.release EQ '5.3' then Widget_Control in the resize routine.

I am about 60% finished reading your book so I will try to write a review for Amazon next week when I have finished my first reading.

Thanks,

Andy

David Fanning wrote in message ...

> Andrew Meigs (ameigs@jet.uk) writes:

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