Subject: Re: Plot resize

Posted by Liam E. Gumley on Fri, 07 Jun 2002 17:37:20 GMT

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Ben wrote:

- > I have a fairly complex widget program that has dynamically resizing
- > parts.

>

- > Why is it that Event.X and Event.Y return values smaller than the
- > actual form (base) size.

>

- > Not that you would need to but I should be able to set the form size
- > to Event.X and Event.Y

>

- > When I do this the form shrinks. On my system it shrinks by 8 pixels
- > in x and and 46 in Y. This is different on other systems (maybe due to
- > resolution etc.)

> Anyone know what causes this and how to stop it?

Here's a snippet from the top level base event handler for the IMGUI demo procedure described in my book:

http://www.gumley.com/PIP/About_Book.html

It shows how to resize a draw widget (and hence a top level base) following a top level base resize event:

```
:- Get change in size of top level base
if (info.version It 5.4) then begin
 xchange = event.x - info.base size[0]
 ychange = event.y - info.base_size[1]
endif else begin
 widget_control, event.id, tlb_get_size=base_size
 xchange = base_size[0] - info.base_size[0]
 vchange = base size[1] - info.base size[1]
endelse
```

- ;- Set new size of draw widget info.draw xsize = (info.draw xsize + xchange) > 200 info.draw ysize = (info.draw ysize + ychange) > 200 widget_control, info.draw_id, xsize=info.draw_xsize, ysize=info.draw_ysize
- ;- Store new top level base size widget_control, event.top, tlb_get_size=base_size info.base size = base size

info.version is the IDL version number info.base_size is the last known top level base size [width, height] info.draw_xsize is the last known draw widget width info.draw_ysize is the last known draw widget height info.draw_id is the id of the draw widget

The version dependent code is required because prior to IDL 5.4, the top level base size obtained by calling widget_control with the tlb_get_size keyword did not include the size of the menu bar. To put the example in context, you may wish to examine the complete IMGUI source code at the URL shown above (see "Sample Programs").

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

Subject: Re: Plot resize
Posted by crono15m on Fri, 07 Jun 2002 18:22:38 GMT
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crono15m@aol.com (Ben) wrote in message news:<fbb3dcd9.0206070607.68492c9c@posting.google.com>...

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>

- > Thanks.
- > Ben Hilldore
- > Hope College Nuclear Research Group

Thanks to Dave I now have a solution to this. I used the known gap between my plot widget and my base to calculate what the offset should be and then get a fudge factor from that.

Thanks, Ben Hilldore

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