
Subject: Re: Getting too many resize events

Posted by [Peter Mason](#) on Mon, 12 Aug 1996 07:00:00 GMT

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On Fri, 9 Aug 1996 maurice.ringer@.MISSING-HOST-NAME. wrote:

- > I can capture widget re-size events using the TLB_SIZE_EVENTS
- > keyword with WIDGET_BASE. However, after you resize the
- > widget, IDL seems to generate these resize events again
- > whenever the widget is moved or exposed as well as resized.
- > Why is this and how can I stop it?
- >
- > I am running IDL 4.0.1 on VMS from an xterm.

I don't use IDL under VMS, but I've experienced similar problems under DEC ALPHA/OSF and WinNT. It seems that this functionality (resizing) is a little inconsistent across platforms, to put it discretely.

I usually enable resizing for panels which contain draw widgets, and whose size is determined largely (or entirely) by these draw widgets. (Naturally, the point of enabling resizing here is to allow the user to change the draw-window size.)

In general, I've found that the safest way to implement resizing is to destroy the panel and rebuild it for the new draw-widget size. This is the method I'd recommend if you want some consistency across platforms (i.e., even if you manage to get dynamic resizing to work correctly on your platform).

But note that you might have to follow with a WIDGET_CONTROL,tlb,/CLEAR_EVENTS after rebuilding the tlb, in order to prevent spurious resizing events (on some platforms).

FYI, here's what happens if I attempt dynamic resizing under OSF or NT:

- . Under OSF, I've noticed that if I use WIDGET_CONTROL,wid,SCR_XSIZ=new_x, SCR_YSIZ=new_y, and follow it with a call like WIDGET_CONTROL,tlb,ICONIFY=0, IDL sometimes goes into a near-endless resizing loop which not even WIDGET_CONTROL,tlb,/CLEAR_EVENTS can prevent. Also, I sometimes crash all the way out of my Unix session if I use both SCR_XSIZ=new_x,SCR_YSIZ=new_y in the same WIDGET_CONTROL. (But I'm using an older version of OSF.) Otherwise OSF works ok.
- . Under WinNT, resizing with WIDGET_CONTROL,wid,SCR_XSIZ=new_x,SCR_YSIZ=new_y causes the panel to creep up to the new size, generating resize events all the way until get gets to the proper size. Naturally, if I follow the resizing statement with a WIDGET_CONTROL,tlb,/CLEAR_EVENTS, the resizing process gets stopped short after the first bit. I've found no way around this.
- . Resizing a plot window exactly - i.e. taking all margins, padding and spacing into account - doesn't appear to improve things. (Besides, WIDGET_INFO(wid,/GEOMETRY) is flaky under MS Windows - it appears to be unaware of changes in size/position after a tlb has been realized.)

