Subject: Re: UNIX Resize Problem
Posted by liamgumley on Fri, 31 Oct 2008 14:04:34 GMT
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On Oct 31, 8:40 am, David Fanning <n...@dfanning.com> wrote:
> I have an image in a resizeable top-level base widget.
> The idea here is that when the window is resized, the
> window should retain the same aspect ratio as the image.
> So, for example, when the user hits the button that will
> force the TLB to fill the display, I will get that event
> and instead of making the draw widget holding the image
> that size, I will constrain it, and the TLB should shrink
> naturally to the size of the draw widget.

David,

I write a GUI demo for my book (described in Chapter 9) where an image
is displayed in a resizable widget. If you resize the GUI window, the
window retains the size you selected, and the image is redrawn inside
the window while maintaining the image aspect ratio. I'm not sure if
this is what you want, but in any case the demo program is imgui.pro,
and it is contained in

http://gumley.com/PIP/Sample_Programs/PIP_programs.zip

The relevant code section from the main program is

```
tlb = widget_base(column=1, mbar=mbar, title=title, $
  /tlb_size_events)
```

and from the event handler

```
;- Get change in size of top level base
if (info.version lt 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]
  ychange = base_size[1] - info.base_size[1]
endelse

;- Set new size of draw window
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
```

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