Subject: Re: widget control and event generation Posted by pdoherty on Sun, 15 Apr 2007 19:43:44 GMT View Forum Message <> Reply to Message

On Apr 15, 4:15 pm, David Fanning <n...@dfanning.com> wrote: > pedohe...@earthlink.net writes: >> When I use the following code to switch the currently selected tab in >> a widget_tab: widget = widget info(info.tlb, find by uname='plot tab') >> oldtab = widget info(widget, /tab current) >> widget control, widget, set tab current=7 >> > >> Do I generate an event? > No, you don't generate an event. But I could believe that > if you are using a button click to switch tabs that you

- > may not be accounting for both the button DOWN and the button
- > UP event in your event handler.

That's what I thought. The general idea is that if I press the right mouse

button the plot_tab switches to a different tab, makes some plots as I move

the cursor around, and then when I release the right button the tab switches

back to the original tab. Here's the relevant code (edited):

```
; handle right button press events
if ((event.type EQ 0) AND (event.press EQ 4)) then begin
  info.mouse right down = 1
  widget = widget_info(info.tlb, find_by_uname='plot_tab')
  info.oldtab = widget_info(widget, /tab_current)
  widget_control, widget, set_tab_current=7
endif
; handle right button release events
if ((event.type EQ 1) AND (event.release EQ 4)) then begin
  info.mouse right down = 0
  widget = widget info(info.tlb, find by uname='plot tab')
  widget control, widget, set tab current=info.oldtab
endif
```

I think I have taken into account DOWN vs UP events. What's strange is that when I push the button DOWN, and before I release, my event handler

catches an event for the widget with the uvalue = 'plot tab', as in

```
widget_control, event.id, get_uvalue=widget case widget of 'plot_tab': ccd_plots, info etc...
```

It's as if the system thinks I have clicked on one of the tabs even though all I have done is selected a new tab using widget_control.

No doubt, it's my fault. Computers always do what we tell them to do (the bas****s). It's just that I don't understand that I've told it to do this.

- Peter Doherty