Subject: Re: XY Coords & Widgets

Posted by mgs on Sun, 24 Sep 1995 07:00:00 GMT

View Forum Message <> Reply to Message

In article <43mojs\$25h@news.isc.rit.edu>, bjp8350@osfmail.isc.rit.edu (PRYHODA) wrote:

- > I am trying to extract XY Coords from an widget_draw window. I know there
- > is a function for doing this in a normal window but can this be done in a
- > widgets program?

Yes. Use the event.x and event.y parameters of the returned event structure to get the positions. Something like this will do what you're after. There's some extra code in this for processing different mouse buttons and whether they are pressed or released, also.

```
pro tmp event, event
  print, 'Press/Release: ', event.press, event.release
  if (event.release gt 0) then begin
     print, 'X/Y position: ', event.x, event.y
     case event.release of
       1: print, 'left button released'
       2: print, 'middle button released'
       4: print, 'right button released'
       else: print, 'multi-button release (possible?)'
     endcase
     print
  endif
end
pro tmp
  base = widget base()
  draw = widget_draw(base, xsize=200, ysize=200, /button_events)
  widget_control, base, /Realize
  Xmanager, 'tmp', base
end
IDL> tmp
Press/Release: 1 0
Press/Release: 0 1
X/Y position:
                 11
                       192
left button released
Press/Release:
                 2
                    0
Press/Release:
                 0 2
X/Y position:
                 89
                       104
middle button released
```

Press/Release: 4 0 Press/Release: 0 4 X/Y position: 192 8 right button released

--

Mike Schienle Custom Data Visualizations mgs@seldon.terminus.com