
Subject: Multiple draw widget events

Posted by [Jye](#) on Fri, 02 May 2008 05:49:53 GMT

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Hi,

Another newbie here so the answer to my problem is most likely blatantly obvious.

The example below is of a draw widget which windows the displayed image when right clicked on the draw widget and the ROI button runs CW_DEFROI. But my problem is that the windowing events interfere when CW_DEFROI is called! How can I stop this from happening? Im sure it has something to do with the /no_block keyword but I have been unable to find the solution.

Any help is greatly appreciated.

Cheers

Jye

```
;-----  
; Windowing  
;-----
```

```
PRO window_event, event  
widget_control, event.top, get_uvalue=info
```

```
Widget_Control, info.draw, get_uvalue=uvalue  
Window_size = uvalue[0]  
Windowlocation = uvalue[1]
```

```
if event.press eq 4 then begin  
Widget_Control, info.draw, Draw_Motion_Events=1  
info.xstart=event.x  
info.ystart=event.y  
endif
```

```
if event.release eq 4 then begin  
Widget_Control, info.draw, Draw_Motion_Events=0, Clear_Events=1  
endif
```

```
if event.type eq 2 then begin  
diffx = event.x-info.xstart  
if Window_size-diffx le 255 and Window_size-diffx ge 1 then  
Window_size = Window_size-diffx  
if Windowlocation+Window_size gt 255 then Windowlocation = 255-
```

Window_size

```
diffy = event.y-info.ystart
if Windowlocation+Window_size-diffy le 255 and Windowlocation-diffy
ge 0 then Windowlocation = Windowlocation-diffy
```

```
info.xstart = event.x
info.ystart = event.y
```

```
Device, Decomposed=0
STRETCH, Windowlocation, Windowlocation+Window_size
wset, info.winid
TV, info.image
Device, Decomposed=1
```

```
Widget_Control, info.draw, set_uvalue=[Window_size, Windowlocation]
endif
```

```
widget_control, event.top, set_uvalue=info
```

END

```
;-----
; ROI
;-----
```

```
PRO ROI_event, event
widget_control, event.top, get_uvalue=info
```

```
Widget_Control, info.draw, Draw_Motion_Events=1
```

```
xsize=(size(info.image))[1]
ysize=(size(info.image))[2]
```

```
Result = CW_DEFROI(info.draw, IMAGE_SIZE=[xsize,ysize])
```

END

```
;-----
; Windowing and ROI program
;-----
```

```
PRO windowing_and_roi
device, get_screen_size=screen_size
xoffset = screen_size[0]/4
yoffset = screen_size[1]/4
```

```
file = Filepath(SubDirectory=['examples','data'], 'ctbone157.jpg')
```

```
READ_JPEG, file, image
xsize = (Size(image))[1]
ysize = (Size(image))[2]

tlb = widget_base(/row, xoffset=xoffset, yoffset=yoffset)
ROI = widget_button(tlb, value="ROI")
draw = widget_draw(tlb, xsize=xsize, ysize=ysize, /BUTTON_EVENTS)
widget_control, tlb, /realize

widget_control, draw, get_value=winid
wset, winid
tv, image

widget_Control, draw, set_uvalue=[(max(image)-min(image)),min(image)]

info = {draw:draw, winid:winid, image:image, xstart:0, ystart:0}
widget_control, tlb, set_uvalue=info

xmanager, 'ROI', ROI, /no_block
xmanager, 'window', draw, /no_block

END
```
