
Subject: Drawing 2 or 3 contours on a same image
Posted by [idlfreak](#) on Wed, 03 Oct 2001 17:51:25 GMT
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HI,

I have to draw some 2 or 3 contours using mouse, marking the various region of interest. My present program helps me to draw one contour, but i can't stop it and proceed to mark another region of interest in the same image.

The program is as follows. I tried to check if the other mouse button is pressed and break from the loop, it doesn't help.

Can anybody help me....

Regards,

Akhila...

PRO contour1_Event, event

```
WIDGET_CONTROL, event.top, GET_UVALUE = state
WIDGET_CONTROL, event.id, GET_UVALUE = id
possibleEvents = ['DOWN', 'UP', 'MOTION', 'SCROLL', 'EXPOSE']
possibleButtons = ['NONE', 'LEFT', 'MIDDLE', 'NONE', 'RIGHT']
thisEvent = possibleEvents(event.type)
thisButton = possibleButtons(event.press)
if (id eq 'draw') then begin
  case thisEvent of
    'DOWN': begin
  case thisButton of
    'RIGHT': begin
      state.oROI -> AppendData,[event.x,event.y,0]
      ;case thisButton of
      ;'LEFT': break      ;endcase
;if (event.press eq 4) then print, event.press
;state.oWindow -> Draw, state.oView
end
endcase
;if (event.press eq 1) then break
end

'EXPOSE': begin
state.oWindow -> Draw, state.oView
end
else:
endcase
state.oWindow -> Draw, state.oView
endif

END
```

```

PRO contour1
xdim = 512
ydim = 512
wBase = WIDGET_BASE(/COLUMN)
wDraw = WIDGET_DRAW(wBase, XSize = xdim, YSize = ydim, GRAPHICS_LEVEL
= 2, /BUTTON_EVENTS, $
/EXPOSE_EVENTS, UVALUE = 'draw', RETAIN = 0 )
WIDGET_CONTROL, wBase, /REALIZE
WIDGET_CONTROL, wDraw, GET_VALUE = oWindow
;RESTORE, FILENAME = 'trial'
;v2 = BYTSCL(v1)
;s1 = v2(*,*,120)
s1=READ_DICOM(FILEPATH('mr_knee.dcm',SUBDIR=['examples','dat a']))

sbar = OBJ_NEW('IDLgrImage', s1)
oROI = OBJ_NEW('IDLgrROI', COLOR = [255,255,255], STYLE = 2)
oView = OBJ_NEW('IDLgrView', VIEWPLANE_RECT = [0,0,512,512], COLOR =
[0,0,0], PROJECTION = 2)
oModel = OBJ_NEW('IDLgrModel')
oModel -> Add, sbar
oModel -> Add, oROI
oView -> Add, oModel
oWindow -> Draw, oView

state = {oView: oView, $
oModel: oModel, $
oWindow: oWindow, $
sbar: sbar, $
oROI: oROI}

WIDGET_CONTROL, wBase, SET_UVALUE = state
print,'Success'
XMANAGER, 'contour1', wBase
END

```
