Subject: Re: David Fanning's rubberband box Posted by Martin Schultz on Fri, 13 Mar 1998 08:00:00 GMT View Forum Message <> Reply to Message

Joseph Scott Stuart wrote:

- > I've recently gotten David Fanning's book, and I like it quite a bit.
- > Good job, David! I am having a problem though with the rubberband box
- > code on page 117. I'm using IDL 5.0.2 on an SGI. When I am finished
- > drawing the rubberband box and release the mouse button, the program
- > does not exit the repeat loop. I have to push another button before it
- > will register that I've released the first button. I added the
- > following line just before the ENDREP:

>

- cursor, x, y, /NoWait
- > ENDREP UNITL !Mouse.Button NE 1

- > That mostly fixed the problem, but it still seems to only work
- > sporadically. That is, sometimes I'll draw a box, release the button,
- > and it ends the loop as it is supposed to, other times it does not,

Scott.

please find attached my version of David F.'s rubberband. It draws a rubberband box as long as you press the mouse button and exits if you release it (*and* if you move the mouse which is caused by the CHANGE flag). It's not perfect but works for me. If you come up with a better solution let me know.

Regards, Martin.

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```
pro trackcursor,x1,y1,x2,y2,first=first,pixwin=pixwin
; draws rubberband for data selection
; as of 23 DEC 1997: uses device, copy (idea D.Fanning)
; return pixwin to destroy window afterwards
common trackcommon, curwin, pixwinindex
 ; create pixmap and copy current image
 if (keyword set(first)) then begin
    curwin = !d.window
    window,/free,xsize=!d.x size,ysize=!d.y size,/pixmap
    pixwin = !d.window
    pixwinindex = pixwin
    device,copy=[0,0,!d.x_size,!d.y_size,0,0,curwin]
    wset.curwin
 endif
 ; copy old image from pixwin
 device,copy=[0,0,!d.x_size,!d.y_size,0,0,pixwinindex]
 ; overlay red rectangle with new mouse coordinates
 plots,[x1,x2,x2,x1,x1],[y1,y1,y2,y2,y1],color=2,thick=1
return
end
pro use_cursor,x1=mx1,x2=mx2,y1=my1,y2=my2
; activates graphics cursor for rubberband selection
!err=0
 cursor,mx1,my1,/down
 trackcursor,mx1,my1,mx1,my1,/first,pixwin=pixwin
 while (!err ne 0) do begin
    cursor,mx2,my2,/change
    trackcursor,mx1,my1,mx2,my2
 endwhile
 wdelete,pixwin
  print, 'X1=', mx1,', Y1=', my1
  print,'X2=',mx2,',Y2=',my2
end
```