

Subject: Re: changing cursor, general GUI questions

Posted by knipp on Tue, 22 Feb 1994 13:39:18 GMT

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In article 2kcgjulNN1t4@i32.sma.ch, stl@sma.ch (Stephen Streb) writes:

> Hello,

>

> does anyone know how to change the cursor in IDL to say, a hand, or
> anything? (I am running idl 3.5 on a sparc 10, S0laris 1.0) I need
> this (currently) to build a panning/grabbing tool for images.

>

20

> stephen Strebel

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Hi

The main idea is to use: DEVICE, CURSOR STANDARD=x

(on my system x=58,...61 sets the cursor to different shapes of hands)

I've appended a short routine to display different cursors available.

karl

P.S.: Sorry for the "GOTO's"

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~~~~~ CUT HERE ~~~~~

;

pro demo\_x\_cursor, l\_0, l\_1

; demonstrates different cursor-figures under X-Windows

-----

## ; START OF DESCRIPTION

```

;
; subroutine      IPI, U Hannover 09'91, modified 11'92
;
; METHOD:        demonstrates different cursor-figures under X-Windows
;
;           uses device, cursor_standard = l
;           click left button: l = l + 1
;           middle   " : l = l - 1
;           right   " : QUIT
;
; INPUT PARAMETER: l_0, l_1  loop-indices [def.: 0, 30]
; OUTPUT PARAMETER: none
; KEYWORDS       : none
;
; EXAMPLE:
;
; demo_x_cursor
;
; END OF DESCRIPTION
; -----
;-
;

; -----
; test input

if n_params() ne 0 and n_params() ne 2 then begin
  print,"The number of parameters was wrong:",n_params()
  doc_library,"demo_x_cursor"
  return
endif

if n_params() eq 0 then begin
  l_0=0
  l_1=30
endif

d1 = l_0 < l_1
d2 = l_0 > l_1
l_0 = d1
l_1 = d2

window, /free, xsize=256,ysize=256
text1 = 'LB to continue  RB to exit'

if !d.name ne 'X' then begin
  xyouts, 32, 256-64, text1, font=0, /device
  xyouts, 32, 256-128,'WARNING : device is NOT x but : '+!d.name, $

```

```

font=0, /device
cursor, x, y, /wait, /dev
wait, 0.125
if !err eq 4 then goto, FINITUM
endif

polyfill, [31, 95, 95, 32], [31, 31, 95, 95], color=!d.n_colors-1, /dev
polyfill, 128+[31, 95, 95, 32], [31, 31, 95, 95], color=get_grey(), /dev

;

; ----- -----
; test input

device, /cursor_crosshair
tvcrs, 128,64, /dev
text2 = 'device, /cursor_crosshair'
xyouts, 32, 256-64, text1, font=0, /device
xyouts, 32, 256-128, text2, font=0, /device
cursor, x, y, /wait, /dev
wait, 0.125
if !err eq 4 then goto, FINITUM
erase

polyfill, [31, 95, 95, 32], [31, 31, 95, 95], color=!d.n_colors-1, /dev
polyfill, 128+[31, 95, 95, 32], [31, 31, 95, 95], color=get_grey(), /dev

;

device, /cursor_original
tvcrs, 128,64, /dev
text2 = 'device, /cursor_original'
xyouts, 32, 256-64, text1, font=0, /device
xyouts, 32, 256-128, text2, font=0, /device
cursor, x, y, /wait, /dev
wait, 0.125
if !err eq 4 then goto, FINITUM
erase

polyfill, [31, 95, 95, 32], [31, 31, 95, 95], color=!d.n_colors-1, /dev
polyfill, 128+[31, 95, 95, 32], [31, 31, 95, 95], color=get_grey(), /dev

l=l_0
while l ne l_1 do begin
device, cursor_standard = l
tvcrs, 128+64,64, /dev
text2 = 'device, cursor_standard = '+strcompress(string(l))
xyouts, 32, 256-64, text1, font=0, /device
xyouts, 32, 256-128, text2, font=0, /device

```

```
polyfill, [31, 95, 95, 32], [31, 31, 95, 95], color=!d.n_colors-1, /dev
polyfill, 128+[31, 95, 95, 32], [31, 31, 95, 95], color=get_grey(), /dev
cursor, x, y, /wait, /dev
wait, 0.125
if !err eq 4 then goto, FINITUM
if !err eq 2 then l = l-1 else l = l+1
erase
endwhile
```

FINITUM :

```
device, /cursor_original
wdelete

return
end
```

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