Subject: device,cursor_image ??
Posted by Craig Hamilton on Tue, 23 Mar 1999 08:00:00 GMT
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Hi all:

I've been trying to use a user-defined cursor via
device,cursor_image=csr_img on an X11 Sun platform.
The scant documentation for it says the cursor image
is defined as a 16 element integer array which stores
the bits of a 16x16 bitmap.

I set it up as:
csr_img=[0,0,0,0,0,0,128,448,128,0,0,0,0,0,0,0]

This cursor is symmetric so it shouldn't matter if
each integer represents the bits in a column or
a row. The bits set in the above integers should
give a small crosshair in the center. Instead, I
get the cursor split horizontally with half of it at
the left boundary and half at the right.

Anyone worked with this and have any info?
I feel like I'm overlooking something obvious,
but have spent too much time fooling with it
already. (I'm running IDL 5.1)

Thanks,
Craig

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Subject: Re: device,cursor_image ??
Posted by fireman on Wed, 24 Mar 1999 08:00:00 GMT
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Craig Hamilton (cah@medeng.wfubmc.edu) wrote:
: I've been trying to use a user-defined cursor via
: device,cursor_image=csr_img on an X11 Sun platform.

Craig -

I found the documentation confusing too, so once I figured it out

(v3!) I wrote a routine to translate from a bitmap to the vector. If
you blur your eyes a little you can see the cursor shape.

This shows up black; I'm not sure how to set the cursor color.

```
pro set_cursor

;
; SET cursor shape and hot spot
; (added per VSMR 104)
;
curs  = bytarr(16,16)
curs(0,*) = [0,0,0,0,1,1,1,1,1,1,0,0,0,0,0]
curs(1,*) = [0,0,0,1,0,0,0,1,0,0,0,1,0,0,0,0]
curs(2,*) = [0,0,1,0,0,0,0,1,0,0,0,0,1,0,0,0]
curs(3,*) = [0,1,0,0,0,0,0,1,0,0,0,0,0,1,0,0]
curs(4,*) = [1,0,0,0,0,0,0,1,0,0,0,0,0,0,1,0]
curs(5,*) = [1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0]
curs(6,*) = [1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0]
curs(7,*) = [1,1,1,1,1,0,0,0,0,0,1,1,1,1,1,0]
curs(8,*) = [1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0]
curs(9,*) = [1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0]
curs(10,*) = [1,0,0,0,0,0,0,1,0,0,0,0,0,0,1,0]
curs(11,*) = [0,1,0,0,0,0,0,1,0,0,0,0,0,1,0,0]
curs(12,*) = [0,0,1,0,0,0,0,1,0,0,0,0,1,0,0,0]
curs(13,*) = [0,0,0,1,0,0,0,1,0,0,0,1,0,0,0,0]
curs(14,*) = [0,0,0,0,1,1,1,1,1,1,1,0,0,0,0,0]
curs(15,*) = [0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0]

power = 2^(indgen(16))  ; define power of 2 array
cursor = intarr(16)   ; cursor must be integer array
for i = 0, 15 do cursor(i) = total(curs(i,*) * power)
device, cursor_image = cursor, cursor_xy = [7,7]

end
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