
Subject: Re: Use of Cursor

Posted by [Craig Markwardt](#) on Thu, 12 Jan 2012 04:06:39 GMT

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On Jan 11, 9:47 pm, singlebinary <singlebin...@gmail.com> wrote:

> Hello All,

>

> I am a beginner IDL user. I would like to make use of the cursor to
> read the x and y coordinates on a plot. I would like to read twice. I
> searched online and wrote a program of my own (see below). There are
> two problems with the program: (1) it does not give me the value on
> the plot but rather the pixel value; (2) it simply does not work
> unless I close the graphics window. It then outputs -1 -1.

>

> Please do guide me in this regard. Thanks!

>

> PRO cursor_use

> x = findgen(1000)*0.01

> y = sin(x)

> PLOT, x, y

> n = 2

> FOR i = 0, n-1 DO BEGIN

> CURSOR, x, y, /DEVICE, /WAIT

> PRINT, "This is cursor position", x,y

> PRINT, "Click again..."

> ENDFOR

> END

If you want pixel coordinates use /DEVICE, but if you want data coordinates, then don't use /DEVICE.

Craig

Subject: Re: Use of Cursor

Posted by [d.poreh](#) on Thu, 12 Jan 2012 08:40:43 GMT

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On Jan 12, 5:06 am, Craig Markwardt <craig.markwa...@gmail.com> wrote:

> On Jan 11, 9:47 pm, singlebinary <singlebin...@gmail.com> wrote:

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>> CURSOR, x, y, /DEVICE, /WAIT
>> PRINT, "This is cursor position", x,y
>> PRINT, "Click again..."
>> ENDFOR
>> END
>
> If you want pixel coordinates use /DEVICE, but if you want data
> coordinates, then don't use /DEVICE.
>
> Craig

Guys

i am also interested to do so, and what i have in my mind is, how
could we define a keyboard push (for instance ctrl+r) that every time
we push that the cursor would be activated and ready to get x-y
coordinates. Any suggestion?

Cheers,
Dave

Subject: Re: Use of Cursor

Posted by [David Fanning](#) on Thu, 12 Jan 2012 13:32:09 GMT

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DavePoreh writes:

> i am also interested to do so, and what i have in my mind is, how
> could we define a keyboard push (for instance ctrl+r) that every time
> we push that the cursor would be activated and ready to get x-y
> coordinates. Any suggestion?

Matlab?

Well, in theory, this could also be done in any object oriented implementation in IDL. In fact, it is probably already possible in IDL 8 graphics. I've built applications in my Catalyst Library that allow the XY coordinates of any object shown in the window to be reported. See, for example, the DataViewer program, which can have up to 64 images shown in the display window, each reporting its own position and value as you move your cursor over them.

All it requires is that an object "know" its position in a graphics window, have some knowledge about its own coordinate scaling, and have some capability of being selected by the user.

I don't think the Cntl-R thing is every going to be implemented, but gaining knowledge of the graphic in the window is certainly possible someday, if not now.

Come to think of it, it would probably take 5 minutes to implement something like this for cgWindow, if I didn't have to worry about multiple plots in the display window. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Use of Cursor

Posted by [d.poreh](#) on Thu, 12 Jan 2012 13:38:50 GMT

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On Jan 12, 2:32 pm, David Fanning <n...@dfanning.com> wrote:

> DavePoreh writes:

>> i am also interested to do so, and what i have in my mind is, how

>> could we define a keyboard push (for instance ctrl+r) that every time

>> we push that the cursor would be activated and ready to get x-y
>> coordinates. Any suggestion?
>
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> Well, in theory, this could also be done in any object
> oriented implementation in IDL. In fact, it is probably
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> implemented, but gaining knowledge of the graphic in
> the window is certainly possible someday, if not now.
>
> Come to think of it, it would probably take 5 minutes
> to implement something like this for cgWindow, if I
> didn't have to worry about multiple plots in the
> display window. :-)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Perfect answer. i will follow that to get the result.

Cheers,
Dave

Subject: Re: Use of Cursor

Posted by [David Fanning](#) on Thu, 12 Jan 2012 13:43:32 GMT

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DavePoreh writes:

> Perfect answer. i will follow that to get the result.

If you followed that with some cash it is would be much more likely to get done in our lifetimes. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
