
Subject: Re: cursor command

Posted by [gpeterso](#) on Tue, 02 Apr 2013 18:42:51 GMT

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On Tuesday, April 2, 2013 11:04:48 AM UTC-7, rr...@stsci.edu wrote:

> On Tuesday, April 2, 2013 1:57:36 PM UTC-4, gpet...@ucsc.edu wrote:

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>> On Tuesday, April 2, 2013 10:04:49 AM UTC-7, gpet...@ucsc.edu wrote:

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>>> Can you use the cursor command on a 2d contour map?

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>> Could anyone explain how this procedure works. I am not really finding anything on the internet.

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> Cursor is a way of grabbing an (x,y) coordinate pair from the mouse action. You have options on when (x,y) is returned, for example is it returned when you press the mouse button, when you release the button, or move the mouse, etc. (as set by the wait variable). The (x,y) pair will be returned in whatever units you like (whether normal, device, or data), which is useful depending on your purpose.

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> http://www.exelisvis.com/docs/CURSOR_Procedure.html

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> As for your question about contour. I assume you're using the contour procedure (as opposed to the contour function). In which case, what you do next depends on what you want from the (x,y) pair --- and I can't answer that for you. Do you want the value of the contour plot? or do you want the position of the plot (in the window)? The answer to these questions (and other related ones), will dictate how you set the wait variable and the units you use (though you can change the units using `convert_coords` afterward, should you need all the units for some reason).

>

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>

> Good luck,

>

> Russell

```
openr, lun, 'arial.txt',/get_lun
```

```
data=dindgen(824,914)
```

```
readf, lun, data
```

```
close,lun
```

```
rotatedata=ROTATE(data,2)
```

```
window, 1, retain=2
```

```
While (!mouse.button Ne 4) DO BEGIN
```

```
cursor, data, /device
```

```
contour, rotatedata
```

```
ENDWHILE
```

```
end
```

The error I receive is: CURSOR: Incorrect number of arguments.

I am not sure what to do with this.
