
Subject: Re: chosing points along an image row with mouse
Posted by [Paul van Delst](#) on Tue, 26 Jun 2001 22:28:43 GMT
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Kim Nielsen wrote:

>
> Hi,
>
> I would like to know if there is a way to get the mouse to only move
> along a row (or column). I have an image and need to pick two points
> along the same row. Is there a way to get the mouse only to move along
> a row ?

why do you want to get the mouse to only to move along a row when what you *really* want is to pick two points along the same row? :o)

After you have selected row(or column) "mode" in your program (widget button or function keyword?), the first mouse button click can retrieve the image value at that position, as well as save the current row(or column) image pixel value, say ysave(or xsave). The next mouse click at (x,y) will then cause your program to read the image at position (x, ysave) in row mode or (xsave, y) in column mode. A neat thing would be to turn on a horizontal(or vertical) bar the width(or height) of your image after the first mouse click that then moves vertically(or horizontally) as you move the mouse.

I think that this would work (or not :o) with the (gasp!) cursor command too but, despite the code outlay, a widget approach would be cleaner (and easier too I reckon but YMMV).

paulv

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Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
 Alexander Pope.

Subject: Re: chosing points along an image row with mouse
Posted by [tandp](#) on Tue, 26 Jun 2001 22:46:27 GMT
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In article <68702482.0106261407.4ee5a51d@posting.google.com>,
ftksn1@aurora.alaska.edu (Kim Nielsen) wrote:

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>
> thanks,
> Kim

Use "cursor, x, y" or the equivalent mouse event values if you're in a draw widget and ignore either the first or second y values that are returned.

Subject: Re: choosing points along an image row with mouse

Posted by [david\[2\]](#) on Wed, 27 Jun 2001 04:07:24 GMT

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Kim Nielsen writes:

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> along a row (or column). I have an image and need to pick two points
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> a row ?

You can look at an example like ZPLOT to see a widget program that draws an arrow along the initially selected row. This is not the best program I've ever written, and I write my event handlers differently now, but it will give you a place to start anyway. I'm working with a plot, but you will get the idea I think. It is much simpler with an image.

You will need these two old programs:

<http://www.dfanning.com/programs/zplot.pro>

<http://www.dfanning.com/programs/getcolor.pro>

(ZPLOT allows you to zoom into a line plot. The arrow is used to show you the extend of the plot you will be zooming.)

Cheers,

David

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David Fanning, Ph.D.

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

Toll-Free IDL Book Orders: 1-888-461-0155
