
Subject: read pixels

Posted by [bcohen](#) on Tue, 16 Jan 2001 15:57:42 GMT

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Hi, I'm using IDL 5.3 on a Mac with OS8.1. I'm trying to display a tif and interactively get the x,y of a coordinate I choose with the cursor. Ideally, I'd like my program to read my click-on x and y into variables. RDPIX doesn't recognize my cmd-click as a right mouse button so I can never get out of it. David's READ_PIXEL program doesn't display the coordinates, though it displays the image in a nice widget. Any suggestions on what I am doing wrong or other programs to do this task? Thanks!

--

Barbara Cohen
University of Tennessee
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Subject: Re: read pixel

Posted by [Kelly Dean](#) on Sat, 17 May 2003 06:43:23 GMT

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You'll have to enter the world of widget building to solve this problem.

The WIDGET_DRAW can be setup to create the scrollbars and return the cursor motion events. The PRO _event section can be used to capture the x and y values, which are plotted into a WIDGET_LABEL, WIDGET_TEXT or saved into an array.

For a screen example, visit the CIRA's IDL apps page -

http://www.cira.colostate.edu/special/csuidl/Ck_Met.htm

Sorry, CIRA does not release source code, but you'll see that it can be done.

Kelly Dean
CSU/ATS

Roberto wrote:

```
> Hi
> I must to get information about some pixel and store these in array.
> To do this with idl I simply write:
>   for i=1, 10 do begin
>       TV, img
>       cursor, x,y
>       print, x,y, img(x,y)
```

> array = [[array],[x,y,img(x,y)]]
> endfor
>
> But I must use very large image so I would read pixel location using
> standard ENVI display (scroll, image and zoom windows). I don't know what is
> the right procedure, I am very inexperienced.
> Do you know if this is possible? How could I do? Or do you know some web
> guide?
> Thanks in advance
> Roberto Spedale
> Politecnico di Torino

Subject: Re: read pixel
Posted by [graftons](#) on Sat, 17 May 2003 08:51:06 GMT
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Kelly Dean <krdean@lamar.colostate.edu> wrote in message
news:<3EC5DA0B.9030703@lamar.colostate.edu>...
> You'll have to enter the world of widget building to solve this problem.
>
> The WIDGET_DRAW can be setup to create the scrollbars and return the
> cursor motion events. The PRO_event section can be used to capture the
> x and y values, which are plotted into a WIDGET_LABEL, WIDGET_TEXT or
> saved into an array.

Hi :-)
thank you for your answer!
I would ask you if is it the only thing I can do to solve this problem?
is it not possible read from standard envi display?
thank you very much
Roberto

Subject: Re: read pixel
Posted by [Kelly Dean](#) on Sun, 18 May 2003 04:57:45 GMT
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I have limited experience myself with ENVI. It sounds like a simple
task for ENVI to do. Visit ENVI-L, someone there maybe able to help you.

However, it is easy to do with IDL as well, but requires the use of
WIDGET_DRAW.

Kelly
