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Subject: Re: collecting points with "cursor" procedure for several classes

Posted by [David Fanning](#) on Mon, 18 Apr 2005 16:08:44 GMT

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Francois L. writes:

```
> Does someone has an idea on how to collect samples for several classes with
> the CURSOR procedure ?
> The problem is using a loop of the type while...
>
> For example, if I have 3 targets of interest and I want to collect several
> points for each target, I can think about the following pseudo-code:
>   number_of_targets = 3
>   tvscl, image
>   for i=0, number_of_targets-1 do begin
>       while (not finish clicking) do begin
>           cursor, x,y, device
>           xyouts, x, y, '+', /device
>       endwhile
>   endfor
>
> I am interested in keeping only pixels coordinates of samples.
> I know how to do it with xroi procedure but this one allows only to collect
> polygons.
>
> If the image is displayed, for one class, I would like to click on several
> samples and stop by clicking the right button of the mouse.
> This right-click would be the stop condition of the while loop.
> But how to code this ?
```

You would do it like this:

```
number_of_targets = 3
tvscl, image
targets = 0
!Mouse = 0
while (!Mouse NE 4) AND (targets LE number_of_targets) do begin
    cursor, x,y, /device, /down
    xyouts, x, y, '+', /device
    targets = targets + 1
endwhile
```

But you *\*really\** don't want to do this with the CURSOR command. :-)

Learn to write a widget program. You will have *\*infinitely\** more flexibility.

[http://www.dfanning.com/widget\\_tips/line\\_on\\_image.html](http://www.dfanning.com/widget_tips/line_on_image.html)

Cheers,

David

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

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