
Subject: Re: ROI on map

Posted by [catwithhat](#) on Tue, 19 Sep 2006 05:29:46 GMT

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David,

Thanks, my widget programming is a bit rusty, so I was looking at the DEFROI function and was looking for something equivalent for a non-image "direct" graphic.

I think I can work from your example though, thanks! When you say restore coordinate space you mean that I reset the system variables !X,!Y and !MAP to the saved values by

simply setting:

```
IDL> saved_map= !MAP
```

```
IDL> e.g. plot,x,y
```

```
IDL> !MAP=saved_map
```

```
?
```

Axel

David Fanning wrote:

> catwithhat writes:

>

>> Does anyone have a routine that allows you to define a region of
>> interest. ROI on a map projection? (direct graphics). For example,I
>> would define a map project, overlay a contour plot and then want to
>> interactively select region. The routine would return the vertices of
>> the perimeter of the polygon.

>

> And the problem is....what!?

>

> This is no different from drawing any other line on
> a draw widget. Convert your positions (returned in
> DEVICE coordinates) to your map coordinates with
> CONVERT_COORD. Just be sure you save your data
> coordinate space (!X, !Y, and !MAP) after you
> draw your map so you can restore it before you
> do the coordinate conversion.

>

> This article might help:

>

> http://www.dfanning.com/widget_tips/line_on_image.html

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

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- > Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
 - > Sepore ma de ni thui. ("Perhaps thou speakest truth.")
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