
Subject: Extracting ROI without IDL objects is it possible
Posted by [Nuno Oliveira](#) on Thu, 22 Jan 2004 16:11:54 GMT
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I'm having a little trouble with extracting ROI with IDL. I'm trying to make a little application for temporary use while I don't learn how to manage IDLanROI objects.

Suppose I have a variable image from I want to extract the ROI and that I've defined a draw with widget_draw function. Then I make:

```
ROI=cw_defroi(draw) ;and here I draw my region of interest
```

How can I visualize my region of interest

I can define a second image, per example image2=FLTARR(xdim, ydim)

And make image2=image(ROI) and do TV, image2 and I see only my roi but I want to see both, i. e., the roi over the image, perhaps with another colour

(cw_defroi does it in part, but I want save those roi indeces and calling back in the future and also apply from the window that defines the roi to others)

It would help another thing, get the boarders of the roi, and make it red, blue, white.

Cheers,

N.

Subject: Re: Extracting ROI without IDL objects is it possible
Posted by [btt](#) on Fri, 23 Jan 2004 14:35:21 GMT
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Nuno Oliveira wrote:

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Hello,

I'm sure your aversion to object graphics is well founded (although it's a hurdle *well* worth clearing sometime - you won't have any regrets.)

However, there is a built-in package for drawing ROIs on an image in XROI. You can get the region information out as an IDLgrROI (don't worry!) from which you can get the ROI vertices. Then you can destroy the object if you don't want it, but you will still have the information you want. XROI can be called as part of a larger widget application or as a stand-alone called from the command line.

Cheers,
Ben

Subject: Re: Extracting ROI without IDL objects is it possible
Posted by [justspam03](#) on Sat, 24 Jan 2004 17:56:57 GMT
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"Nuno Oliveira" wrote

- > I'm having a little trouble with extracting ROI with IDL. I'm trying to make
- > a little application for temporary use while I don't learn how to manage
- > IDLanROI objects.

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if you're willing to use object graphics and objects, but don't want to dig too deep into that, maybe check

http://www.jubileum.lu.se/MR_Physics/software.htm

Example program 6 does pretty much exactly what you want, incl. a primitive ROI evaluation which you could use as template for your own.

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Cheers
Oliver
