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Subject: Re: subset of an image

Posted by [David Fanning](#) on Mon, 09 Feb 2004 19:45:42 GMT

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Nitin Katiyar writes:

> I have problem related to getting a subset of an image file using ROI.  
> I have defined a ROI and got the area but now I am stuck. What I want  
> to do is... after selecting an arbitrary shape polygon-ROI on the  
> image, I want to cut this part of an image and enclosed it in a  
> rectangle with outside roi area black. I know how to do this thing in  
> envi but I don't know how to do this using IDL. Please help me out.

Here you go:

[http://www.dfanning.com/ip\\_tips/xroi.html](http://www.dfanning.com/ip_tips/xroi.html)

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting

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

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Subject: Re: subset of an image

Posted by [Paul Van Delst\[1\]](#) on Mon, 09 Feb 2004 21:21:31 GMT

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David Fanning wrote:

>

> Nitin Katiyar writes:

>

>> I have problem related to getting a subset of an image file using ROI.  
>> I have defined a ROI and got the area but now I am stuck. What I want  
>> to do is... after selecting an arbitrary shape polygon-ROI on the  
>> image, I want to cut this part of an image and enclosed it in a  
>> rectangle with outside roi area black. I know how to do this thing in  
>> envi but I don't know how to do this using IDL. Please help me out.

>

> Here you go:

>

> [http://www.dfanning.com/ip\\_tips/xroi.html](http://www.dfanning.com/ip_tips/xroi.html)

David,

This may be a really silly question on my part, but does IDL comes with an object tool

like your XROI? (I'm assuing CW\_DEFROI ain't it)

If not, when are RSI going to start shipping IDL with all your tools as part of a standard library? (aka toolkit in matlab-speak). Seems to me that these sorts of ready-to-use-out-of-the-box tools should be part of IDL regular (maybe that's what iTools stuff is supposed to do..I dunno). It's just that, with the flurry of ROI questions in the past week, I realised that a lot of stuff that people want to do wouldn't be easily do-able without your tools (I don't do a lot of image processing and what not, maybe that's why the realisation took so long...)

Anyway, without sounding like too much of a brown noser, I just wanted to say goodonya.

paulv

--

Paul van Delst  
CIMSS @ NOAA/NCEP/EMC

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Subject: Re: subset of an image  
Posted by [David Fanning](#) on Mon, 09 Feb 2004 22:28:13 GMT  
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Paul van Delst writes:

> This may be a really silly question on my part, but does IDL comes with an object tool  
> like your XROI? (I'm assuing CW\_DEFROI ain't it)

Uh, well, XROI \*is\* an IDL tool. :-)

> If not, when are RSI going to start shipping IDL with all your tools as part of a standard  
> library? (aka toolkit in matlab-speak). Seems to me that these sorts of  
> ready-to-use-out-of-the-box tools should be part of IDL regular (maybe that's what iTools  
> stuff is supposed to do..I dunno). It's just that, with the flurry of ROI questions in the  
> past week, I realised that a lot of stuff that people want to do wouldn't be easily  
> do-able without your tools (I don't do a lot of image processing and what not, maybe  
> that's why the realisation took so long...)

Ah, well. I hear from the Ketchup Advisory Board that people don't even know you exist unless you hit them over the head 15 times. Why do you think I post so often on this newsgroup. :-)

> Anyway, without sounding like too much of a brown noser, I just wanted to say goodonya.

Even if you have your facts slightly askew, I appreciate the sentiment. Today was a frustrating one for me and I briefly (but seriously) entertained the notion of walking away from IDL forever. I thought I just might get into some

other line of work entirely. Surveying, say, or house painting.

It's nice to feel a bit appreciated. Thank you.

Cheers,

David

P.S. Did you know that if you restore an object, say, in a method and fool around with it a bit and save it back to the same filename before leaving the method that IDL \*appends\* to the save file? No, I didn't either. But I do now. Let's just say I spent half of a VERY long day convinced I was going nuts. :-)

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David Fanning, Ph.D.

Fanning Software Consulting

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

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Subject: Re: subset of an image

Posted by [Paul Van Delst\[1\]](#) on Mon, 09 Feb 2004 23:10:06 GMT

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David Fanning wrote:

>  
> Paul van Delst writes:  
>  
>> This may be a really silly question on my part, but does IDL comes with an object tool  
>> like your XROI? (I'm assuing CW\_DEFROI ain't it)  
>  
> Uh, well, XROI \*is\* an IDL tool. :-)

Bloody hell. There ya go. I learned summat today. :o)

> Even if you have your facts slightly askew, I appreciate  
> the sentiment. Today was a frustrating one for me and  
> I briefly (but seriously) entertained the notion of walking  
> away from IDL forever. I thought I just might get into some  
> other line of work entirely. Surveying, say, or house painting.

I'd go in for woodworking if I thought I wouldn't slice my fingers off in the first week of my apprenticeship. (You can tell from my XROI knowledge how much I would read of the documentation that came with compound mitre saw.....sigh)

paulv

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Paul van Delst  
CIMSS @ NOAA/NCEP/EMC

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