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Subject: Re: TVRD on an XROI screen??

Posted by [David Fanning](#) on Mon, 30 Aug 2004 17:44:54 GMT

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Jeff writes:

> I have an image loaded into XROI and have drawn a bunch of ROI's on  
> it. Is there a way to quickly and easily write out a tiff file that  
> has the image and the ROI outlines in it..like you could do if you  
> could do a TVRD on an XROI window?

Here is what I would do. I would define another keyword  
for XROI, named OWINDOW. I would define it like this:

```
XROI, $  
..., $  
OWINDOW=oWindow, $  
...
```

Then, I would call XROI like this:

```
IDL> XROI, myimagem OWINDOW=win
```

After I had drawn my ROI's and before I opened any other  
windows, I would do this:

```
IDL> win -> GetProperty, Image_Data=theImage  
IDL> Write_Tiff, 'myroiimage.tif', Reverse(theImage,3)
```

There you go. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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Subject: Re: TVRD on an XROI screen??

Posted by [jnettle1](#) on Tue, 31 Aug 2004 04:21:21 GMT

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David,

Thanks for your help. I must be more tired than I thought, though,  
b/c i'm not sure i get what you're saying (sorry...i'm still pretty

much a newbie here in a lot of ways). When you say you'd define another keyword for XROI, do you mean you'd modify the XROI routines themselves (the xroi.pro file)? And if so, don't you have to more than modify just the definition so that the routine will handle giving you back the OWINDOW object?

Sorry if this was something I should've already known. Thanks again for your help.

Jeff

David Fanning <davidf@dfanning.com> wrote in message news:<MPG.1b9d157e1af7fd3798986b@news.frii.com>...

> Jeff writes:

>

>> I have an image loaded into XROI and have drawn a bunch of ROI's on  
>> it. Is there a way to quickly and easily write out a tiff file that  
>> has the image and the ROI outlines in it..like you could do if you  
>> could do a TVRD on an XROI window?

>

> Here is what I would do. I would define another keyword  
> for XROI, named OWINDOW. I would define it like this:

>

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> ..., \$  
> OWINDOW=oWindow, \$  
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> Then, I would call XROI like this:

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> IDL> XROI, myimagem OWINDOW=win

>

> After I had drawn my ROI's and before I opened any other  
> windows, I would do this:

>

> IDL> win -> GetProperty, Image\_Data=theImage  
> IDL> Write\_Tiff, 'myroiimage.tif', Reverse(theImage,3)

>

> There you go. :-)

>

> Cheers,

>

> David

---

Subject: Re: TVRD on an XROI screen??

Posted by [David Fanning](#) on Tue, 31 Aug 2004 11:50:11 GMT

Jeff writes:

- > Thanks for your help. I must be more tired than I thought, though,
- > b/c i'm not sure i get what you're saying (sorry...i'm still pretty
- > much a newbie here in a lot of ways). When you say you'd define
- > another keyword for XROI, do you mean you'd modify the XROI routines
- > themselves (the xroi.pro file)?

Yes, that is what I mean.

- > And if so, don't you have to more
- > than modify just the definition so that the routine will handle
- > giving you back the OWINDOW object?

Well, I chose the definition judiciously so this should have happened automatically if you followed my explicit directions. :-)

- > Sorry if this was something I should've already known. Thanks again
- > for your help.

No problem. Did you try it? It worked perfectly for me.

Cheers,

David

--

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Subject: Re: TVRD on an XROI screen??  
Posted by [jnettle1](#) on Tue, 31 Aug 2004 19:14:38 GMT  
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David Fanning <davidf@dfanning.com> wrote in message news:<MPG.1b9e13e0db53fe5498986e@news.frii.com>...

- > Jeff writes:
- >
- >
- >
- > No problem. Did you try it? It worked perfectly for me.
- >
- > Cheers,

>  
> David

David,

Yep, I tried it and it worked perfectly. I wish I'd posted about this a lot sooner...before I decided to try seeing what the group said about my problem, I was about 90% of the way through some other sloppy solution that I won't go into :) Thanks for making life easier though - which you did do even though I had almost done it some other way.

Jeff

---

Subject: Re: TVRD on an XROI screen??  
Posted by [David Fanning](#) on Tue, 31 Aug 2004 19:23:44 GMT  
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Jeff writes:

> Yep, I tried it and it worked perfectly. I wish I'd posted about this  
> a lot sooner...before I decided to try seeing what the group said  
> about my problem, I was about 90% of the way through some other sloppy  
> solution that I won't go into :) Thanks for making life easier though  
> - which you did do even though I had almost done it some other way.

Well, the wonderful thing about objects is that there are always multiple ways to do the same thing. Of course, some ways are better than others. The rule of thumb I use is if an hour has passed and I am still sitting there scratching my head and muttering "What the hell...this is getting WAY complicated!" then there is probably a better way. :-)

Cheers,

David

--  
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Subject: Re: TVRD on an XROI screen??  
Posted by [David Fanning](#) on Tue, 31 Aug 2004 19:33:11 GMT  
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David Fanning writes:

> Well, the wonderful thing about objects is that there are  
> always multiple ways to do the same thing. Of course, some ways  
> are better than others. The rule of thumb I use is if an  
> hour has passed and I am still sitting there scratching my  
> head and muttering "What the hell...this is getting WAY  
> complicated!" then there is probably a better way. :-)

Conversely, you know you have found the right solution when the change takes two minutes, propagates through \*all\* your objects, and causes you to scare the bejesus out of the dog when you scream "I LOVE OBJECTS!!!"

Cheers,

David

--

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Fanning Software Consulting, Inc.

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Subject: Re: TVRD on an XROI screen??

Posted by [jnettle1](#) on Wed, 01 Sep 2004 18:23:49 GMT

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David Fanning <davidf@dfanning.com> wrote in message news:<MPG.1b9e7e29fa7dfb6e98986f@news.frii.com>...

> Jeff writes:

>

>> Yep, I tried it and it worked perfectly. I wish I'd posted about this  
>> a lot sooner...before I decided to try seeing what the group said  
>> about my problem, I was about 90% of the way through some other sloppy  
>> solution that I won't go into :) Thanks for making life easier though  
>> - which you did do even though I had almost done it some other way.

>

> Well, the wonderful thing about objects is that there are  
> always multiple ways to do the same thing. Of course, some ways  
> are better than others. The rule of thumb I use is if an  
> hour has passed and I am still sitting there scratching my  
> head and muttering "What the hell...this is getting WAY  
> complicated!" then there is probably a better way. :-)

>

Well, that's very true, but, the problem with this is that I seem to find myself doing this very scratching of the head just about every

day! :( (and the really depressing thing is that I'm only half-joking ...)

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Subject: Re: TVRD on an XROI screen??

Posted by [David Fanning](#) on Wed, 01 Sep 2004 18:32:06 GMT

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Jeff writes:

> Well, that's very true, but, the problem with this is that I seem to  
> find myself doing this very scratching of the head just about every  
> day! :( (and the really depressing thing is that I'm only half-joking  
> ...)

Yeah, well, that's why the industry average is about  
five good lines of code a day. :-)

Cheers,

David

--

David Fanning, Ph.D.

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