
Subject: Re: Use IDLanROI or not

Posted by [David Fanning](#) on Mon, 03 Jun 2013 14:03:31 GMT

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Helder writes:

> I'm confronted with a philosophical question that has probably been answered in this group already, but I wanted to check on it again.
> I have my own piece of software that shows images, manages the scaling, the cross-sections and integration over stacks.
> To analyze my images I have been defining my own ROIs as squares/rectangles, circles, hexagons and free hand via xROI. Now in xROI I store the objects IDLanROI, whereas for the other types I use my own structures.

I typically use IDLanROI objects for all kinds of ROIs. I wasn't aware of a bug in it (yikes!). I'm for anything that makes code easier to read and use. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Use IDLanROI or not

Posted by [Helder Marchetto](#) on Mon, 03 Jun 2013 14:19:00 GMT

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On Monday, June 3, 2013 4:03:31 PM UTC+2, David Fanning wrote:

> Helder writes:

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>> I'm confronted with a philosophical question that has probably been answered in this group already, but I wanted to check on it again.

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> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
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> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Hi David,

thanks. I was referring to this post:

https://groups.google.com/d/msg/comp.lang.idl-pvwave/QoaALkX_GMPQ/PQdEO_aSn5MJ

It seems to be solved. What I'm worried about are memory leaks or the similar. But if you use them, they must be good, otherwise there would be an object called cgIDLanROI :-)

Cheers,
Helder

Subject: Re: Use IDLanROI or not
Posted by [Fabzi](#) on Mon, 03 Jun 2013 14:22:09 GMT

On 06/03/2013 04:03 PM, David Fanning wrote:
> I wasn't aware of a bug in it (yikes!).

The bug was in IDLanROIgroup, I had to send a bugfix to ExcelisVIS:
[http://comp.lang.idl-pvwave.narkive.com/qftQBzrg/crashing-ro i-s](http://comp.lang.idl-pvwave.narkive.com/qftQBzrg/crashing-ro-i-s)

I like IDLanROI's but I wish the ->ContainsPoints method to be faster.
It is so slow in comparison to ->ComputeMask !!!

Anyways, I would also suggest to use it but be careful. The output depends on what you define as grid and grid points. I use mostly atmospheric model data where grid coordinates are located in the center of the pixels, while in imagery it is often at the corner. Every time I start to think about this again I have to redo the tests by myself to remember which point of view IDLanROI uses ;-)

Cheers,

Fab

Subject: Re: Use IDLanROI or not
Posted by [David Fanning](#) on Mon, 03 Jun 2013 14:27:45 GMT
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Fabien writes:

> Anyways, I would also suggest to use it but be careful. The output
> depends on what you define as grid and grid points. I use mostly
> atmospheric model data where grid coordinates are located in the center
> of the pixels, while in imagery it is often at the corner. Every time I
> start to think about this again I have to redo the tests by myself to
> remember which point of view IDLanROI uses ;-)

And then, of course, whether the origin is in the lower-left or upper-left and... Oh, my head is hurting again!

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.

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Subject: Re: Use IDLanROI or not
Posted by [David Fanning](#) on Mon, 03 Jun 2013 14:29:06 GMT
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Helder writes:

> thanks. I was referring to this post:
https://groups.google.com/d/msg/comp.lang.idl-pvwave/QoaALkX_GMPQ/PQdEO_aSn5MJ

Ah, I've never used *this* many IDLanROI objects. :-)

> But if you use them, they must be good, otherwise there would
> be an object called cgIDLanROI :-)

Indeed. :-)

Cheers,

David

--

David Fanning, Ph.D.
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