Subject: Re: Image and ROI Help
Posted by James Kuyper on Fri, 27 Oct 2006 14:27:54 GMT
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Jimoid wrote:
> I am a novice at IDL and would like some help please. I am working with
> dicom files and extracting the image contained within and the ROI data.
> The ROI data is not straight forward and I have to manipulate it a
> little to get it into coordinate pairs.
>
> My next stage is how to use the ROI data to select the region of the
> image. As I see it there are two possibilities:
>
> (i) a graphical approach where I turn the ROI data into a polygon and
> use it mask the image, or
> (ii) a computaional approach where I take the image data values and use
> the ROI coordiante data to calculate the image ROI information I need.
>
> My feeling is that the second approach would be better as it is more
> direct; the first approach uses an extra graphical step to arrive at
> the same result. What do others think?
>
> My second question is can anyone suggest methods for the second
> (computational) approach? I have been thinking that I could create an
> array filled with zeros the same size as my image, and use the ROI data
> to create an area within the array filled with ones and then multiply
> the two arrays. I am sure there must be better methods however.

Have you looked at IDLanROI::ComputeMask()?

Subject: Re: Image and ROI Help
Posted by David Fanning on Fri, 27 Oct 2006 14:28:32 GMT
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I think I would put the ROI into an IDLanROI object,
and then just about everything you wanted to do with
an ROI would be sitting there in front of you. -)

Cheers,

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

Subject: Re: Image and ROI Help
Posted by Jimoid on Sat, 28 Oct 2006 15:33:45 GMT
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Thanks David and James, I'll try the IDLanROI approach.

Jimmy

On Oct 27, 3:28 pm, David Fanning <n...@dfanning.com> wrote:
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>
> David
> --
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