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Subject: Image and ROI Help

Posted by [Jimoid](#) on Fri, 27 Oct 2006 11:49:37 GMT

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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 computational 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.

Thanks in advance!

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