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Subject: Re: IDL routine to find contiguous groups of pixels falling within an intensity range

Posted by [David Fanning](#) on Tue, 03 Feb 2015 02:10:04 GMT

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M Q writes:

> My apologies for a dumb question, but for the life of me I can't find the IDL routine that does the following:

>

> - You have an image or a 3D dataset

> - you pick a range of intensities

> - IDL finds the pixels that fall within that range of intensities and

> - sees which such pixels are contiguous with other such pixels and

> - places them into groups, that is, assigns them an index number.

>

> The next effect is that you have a set of 'blobs' if you will, which contain intensities that fall within the range you defined. Each blob has an index number (or perhaps each pixel within a given blob has that index number, I don't recall).

>

> As I said, I'm sorry for the question but I just can't find the routine anywhere

Your description is a little ambiguous. You are probably looking for Label\_Region, but you could also be looking for Search2D or Search3D. You could also just search Coyote's Guide to IDL Programming for "blob". Something will probably turn up. ;-)

Cheers,

David

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

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

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