Subject: IDL routine to find contiguous groups of pixels falling within an intensity range
Posted by astroboy.20000 on Tue, 03 Feb 2015 01:55:32 GMT

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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 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.

Thanks,

Mark

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:

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>
> 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
--
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: IDL routine to find contiguous groups of pixels falling within an intensity range
Posted by astroboy.20000 on Tue, 03 Feb 2015 20:04:23 GMT
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Thanks Dave,

Search3d is exactly what I'm looking for. I guess the name was too obvious.....

Mark