Subject: Re: finding the center of gravity of an irregularly shaped roi within a 2d array
Posted by David Fanning on Mon, 03 Sep 2012 13:42:08 GMT
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Ian writes:

> I have an array (e.g. fltarr[1133,751]) with a range of different flag values, and i want to find the center of gravity of irregularly shaped regions of interest within this array that consist of units sharing the same value. Units which make up a roi will all be connected.
>
> e.g. i=where(array eq 1,ict)
> Find center of gravity of i.
>
> I want the result to be a location that makes sense within the parent array.
>
> Is anybody able to help?

I think you are interested in "blob analysis." :-)

http://www.idlcoyote.com/ip_tips/blobanalysis.html

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")