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Subject: Re: Help With Finding Local Maxima of an Image (locmax)

Posted by [David Fanning](#) on Wed, 25 Mar 2009 19:41:50 GMT

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einszweillieb@gmail.com writes:

> I'm trying to use R. Sterner's "locmax" function (see below) to find  
> local maxima (peaks of intensities) in an image. I'm a bit of a  
> newbie to IDL so forgive me if my questions are silly :)  
>  
> As far as I can tell, all I need to do is read in the image (img) and  
> use the command "locmax, img". Is that correct?  
>  
> When I do this I get the error message which says something like  
> "return statements in functions must have 1 value" Line 79 (i.e. the  
> second to last line below with the "return" statement).  
>  
> What's going wrong here? Why is the function trying to return  
> multiple values? Isn't that what it's supposed to do - return all of  
> the places where there's a local max?  
>  
> Can anyone help me with this? Does anyone know of any other  
> procedures/functions which do similar things?

Here is the problem:

> function locmax, img, mask=m, where=w, ix=ix, iy=iy, sort=srt, \$  
> values=v, value\_image=vimg, noedge=noed, help=help

Change the word "function" to "pro", compile it, and try it again.  
I think this is a typo in the code, because clearly he meant for you  
to call this as a procedure, not as a function.

Cheers,

David

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David Fanning, Ph.D.

Coyote's Guide to IDL Programming ([www.dfanning.com](http://www.dfanning.com))

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

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