
Subject: Help Finding Sources (Peaks) in an Image
Posted by [einszweilieb](#) on Fri, 20 Mar 2009 18:28:29 GMT
[View Forum Message](#) <> [Reply to Message](#)

I have a 2D image that I've read into IDL. I'm trying to write a procedure to locate all of the "peaks" (i.e. highest intensities) of the image.

I suppose I'm defining a "peak" as any pixel that has a higher intensity than any of its surrounding r pixels, where r is some sort of "radius" around the pixel (not necessarily a circular region). Maybe $r = 4$ or something

After scanning through the image I'd like the procedure to either print out the pixel locations and/or create circles around them on the image itself.

Does anyone have any ideas? I mean, I'm not asking you to write up a whole procedure for me unless you want to be really helpful. But any hints or tips on what functions, etc. I could use would be extremely helpful. Or just a quick few lines of code I could build off of would be great.

Thanks in advance!
