Subject: Help Finding Sources (Peaks) in an Image
Posted by einszweilieb on Fri, 20 Mar 2009 18:28:29 GMT

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 it's 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!