
Subject: Re: making a circle of certain values

Posted by [David Fanning](#) on Mon, 01 Oct 2007 20:09:10 GMT

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rpertaub@gmail.com writes:

> I have a set of data points (x,y coordinates) that can be plotted on
> my 1240,1024 array. However, they are sparse x,y spots across the
> image, and I want to 'thicken' it by drawing a circle with my x,y as
> centers. I want to give it a certain radius and a certain value too,
> so that the pixels in the circle (the filling) have values and can
> thus contribute to my rgb image...
> anyone know how to draw a circle, and assign a value to pixels within
> that circle?

I'd use the most useful routine I ever downloaded from the NASA
Astronomy library: TVCIRCLE.

You will probably have to write a new output keyword for that routine
to recover the XY locations of the polygon it creates for the circle.
Then use POLYFILLV to find the indices of the image inside that polygon.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
