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Subject: Re: data inside a circle

Posted by [Rick Towler](#) on Sat, 11 Jun 2005 00:12:53 GMT

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In addition of Rob's suggestion, you could cull much of your data set on each pass before checking if it is within your circle. Determine the X/Y bounds of your circle and then extract that subset of data and operate on that.

I'm walking out the door so I can't provide any pseudo code but hopefully this will give you an idea or two.

-Rick

angela wrote:

> Hello,  
> I have a list of x,y coordinates and I am trying to make circles of  
> different centers and radii and find how many of the data points are  
> inside in the different circles. Do you happen to know an elegant way  
> to do that?  
> I have tried to do that using FOR loops but my data points are about  
> 10,000 and the number of circles are about 160,000, so it takes about  
> 2-3 hours for my program to run. I was wondering if you know of a  
> faster way to do that.  
>  
> Thank you,  
> Angela  
>

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