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Subject: Re: data inside a circle

Posted by [Michael Wallace](#) on Mon, 13 Jun 2005 15:20:03 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.

I was thinking the same thing. For each circle, find the bounding box of the circle and then extract a subset of data points that are within the bounding box. Now test if a given point of the subset is within the circle or not. I don't know what kind of ratio you have between points inside/outside a given circle, but if there are few points inside and many outside, you should see a big improvement.

-Mike

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