Subject: data inside a circle

Posted by angela on Fri, 10 Jun 2005 21:01:37 GMT

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