
Subject: Re: Pair Counts in an Annulus, for large data sets
Posted by [David Fanning](#) on Fri, 24 Nov 2006 03:20:43 GMT
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fatcat3131@gmail.com writes:

> Right. And that makes perfect sense to me. The problem is, my "R" data
> set is relative to some fixed origin "O". And I want to measure a
> radius "Delta-R" from a data-point R(1), not from O. Then count up the
> points which lie within "Delta-R" from R(1). Then repeat, measuring
> Delta-R from R(2) this time. Then from R(N), etc...
>
> So to me, a histogram on R is counting up the points which lie a
> certain distance from the origin, no?
>
> If you are in fact interpreting the problem correctly already, then
> I'm really sorry. Just say so and I'll keep going over it until it
> "clicks"... I just thought you might be thinking I want to measure
> Delta-R from the Origin, which is not in fact the case.

Oh, I see. I didn't read the second part of your original
post carefully. Sorry.

In this case, I think you are going to need some JD Smith
slight of hand. I would start with this article and see
if you don't get part of the way there:

http://www.dfanning.com/code_tips/slowloops.html

This article describes a situation similar to yours, and
outlines a couple of possible ways of solving the problem.
With 350000 points, you will want the one that uses the
least amount of memory. -)

Cheers,

David

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
