
Subject: Re: Fit a circle ?

Posted by [Craig Markwardt](#) on Fri, 08 Nov 2002 11:16:25 GMT

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<zeschke@bessy.de> writes:

- > is there a simple way to fit a circle (a radius) on a set of x,y-points,
- > which are only come from a small part of the circle ?
- > I want to use the mpfitellipse.pro-Routine (Craig Markwardt).
- >
- > I tried this without success :
- > ;;;
- > ; Construct a set of points (should be a part of a circle)
- > x= dindgen(100)-50.
- > y= x^2 *1e-8 + 1e-6*randomn(seed, 100)

I'm confused. Even with the noise removed, this is not the equation for a circle, but a parabola instead (or perhaps a tiny edge of an ellipse in some limiting case). If you are trying to fit parabola, then you should use MPFITFUN or MPFITEXPR.

Craig

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