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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