Subject: Re: the problem of PERROR in MPFITFUN
Posted by Craig Markwardt on Thu, 15 Mar 2007 15:34:44 GMT
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"duxiyu@gmail.com" <duxiyu@gmail.com> writes:
> In my work, independent variable X is time and measured dependent
> variable Y is magnetic field. The instrument do not give the measured
> error.

Adding to what Kuyper said... do you have no uncertainty estimate of the magnetic field? I would guess that your instrument has been calibrated, and the calibration information should provide an estimate of the uncertainties.

The chi^2 value (i.e. BESTNORM) provides a measure of goodness of fit, *if* you have estimated the measurement uncertainties properly.

OR, *if* the fit is known to be good, then the chi-square provides an estimate of the measurement uncertainties.

Good luck,
Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
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