
Subject: How to determine the WEIGHTS in MPFITFUN for distribution function fit?

Posted by duxiyu@gmail.com on Thu, 06 Sep 2007 07:54:08 GMT

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I have a set of data and want to use a function to fit its distribution function.

I have downloaded the procedure MPFITFUN and MPFIT.

The data set is divided into many bins by a binsize.

X is the mean value of the data point in each bin, and Y is the statistical count (or normalized) of the data point in each bin.

Then I want to use the function 'myfunt' to fit the X and Y, and compute the parameter P for 'myfunt'.

For example: `p = mpfitfun ('myfunt', X, Y, Yerror, start)`

But I do not know how to determine Yerror.

If Yerror is set to unity, the 1-sigma errors for the estimated parameter P cannot be returned correctly from MPFITFUN.

Best regards,
jdu
