
Subject: Re: scattering data with MPFITFUN

Posted by [Nafiseh Masoumzadeh](#) on Thu, 20 Jun 2013 08:23:27 GMT

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On Thursday, June 20, 2013 5:51:16 AM UTC+2, Craig Markwardt wrote:

> On Wednesday, June 19, 2013 6:49:43 PM UTC-4, Nafiseh Masoumzadeh wrote:

>

>> Hello,

>

>>

>

>> I have some data which I simply want to fit $p[0]*x^P[1]$ on them, But

>

>> I don't know I am receiving very far results!

>

>> I am using mpfitfun like this:

>

>>

>

>> start=[0.001, 0.1]

>

>> results=MPFITFUN('MYFUNCTION', x, y, err, start)

>

>>

>

>> I applied this function and points in MATLAB (fitting toolbox) , and I had reasonable coefficients .

>

>

>

> MPFITFUN can solve problems like this.

>

>

>

> What happens when you say,

>

> YMODEL = MYFUNCTION(X, START)

>

> Do you get sensible values for YMODEL?

>

>

>

> You should also be checking the STATUS and ERRMSG keywords to see if there is a more informative error message.

>

>

>

> Craig Markwardt

yes, I got reasonable result from YMODEL. and for STATUS I got 6 and I don't have any ERRMSG. I checked in MPFIT script that 6 for STATUS means

FTOL is too small. no further reduction in
; the sum of squares is possible.

but I cannot figure out what is the problem?

I'd appreciate your help,

regards,
Nafis
