
Subject: Problems in non-linear fitting

Posted by duxiyu@gmail.com on Thu, 15 Mar 2007 09:04:12 GMT

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I am using the MPFITFUN for curve-fitting.
It is easy and effectual.
But I have some confused points in using it.

Could it give a value which can measure the quality of fitting?

For example, if you do a linear fitting, you can calculate the R^2 to measure the quality of fitting.

This R maybe is the correlate coefficient between Y and Yfit. (I am not sure for this. if you know how the R is calculated, please tell me.)

I do not know whether the R^2 can describe the quality of non-linear fitting.

Because when I select the different starting values of the parameters to fit, I get the different results, I need a parameter to determine which result is best.

If it not, I want to find a new parameter which can meet my request.

Best regards,
Du Jian
