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Subject: Re: Problems in non-linear fitting  
Posted by [Vince Hradil](#) on Thu, 15 Mar 2007 15:25:54 GMT  
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On Mar 15, 4:04 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

- > 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

Read the "header" of the mpfitfun.pro file. Especially look for the  
PERROR keyword.

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