
Subject: Re: Fitting with three parameters ???

Posted by [Moritz Fischer](#) on Mon, 16 Jun 2014 10:55:47 GMT

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Hi,

You should take a look at Craig's MPFIT routines:

<http://cow.physics.wisc.edu/~craigm/idl/fitting.html>

cheers

Am 16.06.2014 12:49, schrieb Madhavan Bomidi:

> Hello,

>

> I have two columns of data, say variables X and Y. Now I want to fit

> the data with a function $Y = x1 - x2 * \exp(-x3 * X)$. I do not know

> what the values of x1, x2 and x3.

>

> Can anyone say if there is automatic way in IDL to define our fitting

> function and then obtain the fitted parameters to the data? How is

> non-linear fitting done in IDL? Also, I would like to know which

> function will be able to give me R2 correlation coefficient?

>

> Thanks in advance, Madhavan

>
