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Subject: Re: Simultaneous fitting in IDL

Posted by [Gianluca Li Causi](#) on Wed, 20 May 2009 14:05:22 GMT

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Dear Allan,

thanks a lot for your test procedure that I've improved to check what's happening with my data: YOU'RE RIGHT and I WAS WRONG !!

In fact, the test procedure clearly shows that in my limiting hypothesis of two functions depending on complementary parameters the fit is good without the need to modify the data errors as I did: I've realized that I was fitting my data with an incorrect function and I was forcing the fit.

In fact I've realized that my observable, measured in different times, had changed with time, while I assumed it to be static during all the measurements; so that my data couldn't be fitted by a single set of parameters, but I must divide the data in bunches of smaller time intervals.

Thanks a lot for your help, which better clarify to me the data fitting task.

Best regards

Gianluca

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