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Subject: Re: Problem with mpfit.pro

Posted by on Tue, 07 Oct 2014 05:44:36 GMT

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Den tisdagen den 7:e oktober 2014 kl. 01:26:26 UTC+2 skrev Payam Bagheri:

> Hi there,

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> Has anyone worked with the fitting procedure mpfit.pro in IDL? When my fitting function exceeds around 3600 characters (I have to use really large fitting functions) the code gives me this error:

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> % MPFITEXPR: ERROR: execution of "The FUNCTION" failed

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> % MPFITEXPR: check syntax and parameter usage

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>

> Has any seen this and knows a work-around?

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>

>

> Thanks,

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> Payam

According to your error message, you are not using mpfit directly, you are using mpfitexpr. Mpfitexpr allows you to specify the function to minimize as a string but that is only useful for simple expressions.

If you use mpfit directly, you can specify your function as an idl function and specify just the name of it in the call to mpfit. Then there is no limit to how complicated your fitting function can be.

(OK, I guess there is a limit but it's not 3600 characters...)

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