
Subject: Re: chi^2 minimisations & calling c
Posted by [Craig Markwardt](#) on Thu, 16 Oct 2003 17:50:16 GMT
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danb@star.herts.ac.uk (Dan B) writes:

```
>> You must have spilled it wrong! :-)
>>
>
> Indied. Had to scroll down the page, doh.
>
> I am now having real trouble trying to get mpfit to work with spawn in
> the function_name though. When I ddread the model data points back I
> get told:
>
> % CLOSE: Variable is undefined: LUN.
> % Error occurred at: DDREAD          302
```

Please, take MPFIT out of the situation. First, get your model to work by calling it alone, without MPFIT. When you are confident that it works (repeatedly), then try to combine it with the fitter. *Think* about why LUN could be undefined within DDREAD. Do you really think it's a problem with the fitting? Probably not. It sounds more like an I/O problem, so you need to solve that first.

```
>> function bla
>>
>> spawn program with a b c d e f
>>
>> x =ddread(modeldatapoints)
>> y =ddread(truedatapoints)
>>
>> end
```

Obviously this can't be correct since MODELDATAPOINTS and TRUEDATAPOINTS do not exist as variables.

```
>> pro blabla
>>
>> p =[a,b,c,d,e,f]
>>
>> fit = mpfit(x, y, p, FUNCTION_NAME=bla)
```

MPFIT does not have a FUNCTION_NAME keyword.

Good luck,

Craig
