Subject: Re: mpfit and analytical derivative debugging
Posted by   on Wed, 09 May 2012 08:32:29 GMT

Den tisdagen den 8:e maj 2012 kl. 19:29:12 UTC+2 skrev Mats Löfdahl:
> Den tisdagen den 8:e maj 2012 kl. 16:50:05 UTC+2 skrev Craig Markwardt:
>> On Tuesday, May 8, 2012 9:53:55 AM UTC-4, Mats Löfdahl wrote:
>
>>> Oh, silly me! You must turn on the analytical derivatives using parinfo.mpside=3 and not with autoderivative=0 for the debugging to work.
>>
>> Thanks for reminding me to document FJAC_MASK. It's just telling you which parameters MPFIT expects explicit derivatives from your user function. All 1s indicates all parameters.
>>
>> You always have to set MPSIDE=3; that's well documented. :-)
>
> That doesn't help you if you're like me and think you are smarter than the documentation...

Actually, here is one instance where the documentation could be improved (in mpfit.pro header):

; The keyword setting AUTODERIVATIVE=0 always globally overrides the
; individual values of PARINFO.MPSIDE. Setting AUTODERIVATIVE=0 is
; equivalent to resetting PARINFO.MPSIDE=3 for all parameters.

It kind of suggests that I should have been able to do what I did.