Subject: Parameters and MPFIT
Posted by luxx11 on Thu, 08 Dec 2005 11:11:08 GMT

Hi, I'm using MPFIT and MPFITFUN from Craig Markwardt.

I have one parameter which can be -1 or 1, nothing else, but I'm having problems to do this with PARINFO.

Probably there is an easier way to do it but I am setting limits=[-1,1], then I set the min and the max step to 2. I thought that this would do keep this parameter in -1 or in 1, but I get values like 0.8 or 0.9. Any ideas?

thanks

luxx

Subject: Re: Parameters and MPFIT
Posted by Craig Markwardt on Fri, 09 Dec 2005 19:37:49 GMT

luxx11@gmail.com writes:

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> problems to do this with PARINFO.
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> limits=[-1,1], then I set the min and the max step to 2. I thought that
> this would do keep this parameter in -1 or in 1, but I get values like
> 0.8 or 0.9. Any ideas?

I agree with JD's suggestions, as long as your chi-squared space is
not too complicated.

MPFIT optimizes continuous parameters. What you want is a discrete
optimizer, which MPFIT is not. Since you only have one parameter with
two possible values it seems easiest to just do as JD suggests and try
both possible values and see which is best.

Happy fitting,
Craig

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Craig B. Markwardt, Ph.D.   EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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Subject: Re: Parameters and MPFIT
Posted by luxx11 on Sat, 10 Dec 2005 16:21:45 GMT

Thanks JD, I'm doing it that way now.
And thanks Craig for MPFIT!

luxx.