Subject: TNMIN from mpfit library
Posted by Russell[1] on Wed, 11 Feb 2015 19:39:49 GMT
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I'm using TNMIN to minimize a very complicated function, which for reasons I cannot use MPFIT. Everything seems to be running smoothly, but after a handful of iterations it gives me

status=-18
errmsg="ERROR: Line search failed to converge"

While I understand what that means, I'm not sure how to massage the inputs to TNMIN to get passed this error (or perhaps this isn't a true error but rather just another stopping condition?). Does anyone have any advice? Craig, are you out there?

Thanks gang,
Russell

Subject: Re: TNMIN from mpfit library
Posted by Russell[1] on Thu, 12 Feb 2015 05:01:08 GMT
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Just for posterity's sake,

Well... I never figured out how to control TNMIN, but I transformed the variables and the problem seemed to naturally go away. I guess that gives a clue as to what was going wrong...

R

Subject: Re: TNMIN from mpfit library
Posted by Craig Markwardt on Sat, 14 Feb 2015 23:08:23 GMT
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On Wednesday, February 11, 2015 at 2:39:50 PM UTC-5, rrya...@gmail.com wrote:
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> errmsg="ERROR: Line search failed to converge"
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passed this error (or perhaps this isn't a true error but rather just another stopping condition?).
Does anyone have any advice? Craig, are you out there?

TNMIN never really got the love that MPFIT got. I spent some time looking at the code (which is

translated from FORTRAN that I didn't write), and I didn't get exactly why this condition would occur from a purely hypothetical standpoint.

Craig