
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:

> 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?

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
