

---

Subject: Re: Robust curve fitting (BUG)

Posted by [Craig Markwardt](#) on Tue, 04 Aug 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I found a small bug in MPFIT.PRO. It only bites in certain circumstances. Specifically, if you fix some parameters, and place bounding constraints on other parameters, then the fit procedure can finish too soon, before the parameters have converged.

A new corrected version is on my web page, listed below.

Craig

>>>

>>> I recently had an opportunity to translate the MINPACK-1 curve-fitting  
>>> package into IDL. MINPACK is a minimization package available from  
>>> netlib, and has an excellent reputation. I have found that it is much  
>>> more robust, able to cope with singular matrices, etc. Since people  
>>> have been requesting, I polished it up a little bit, and am making it  
>>> available via my IDL web page:

>>>

>>> <http://astrog.physics.wisc.edu/~craigm/idl/idl.html>

>

--

-----  
Craig B. Markwardt, Ph.D.      EMAIL: [craigmnet@astrog.physics.wisc.edu](mailto:craigmnet@astrog.physics.wisc.edu)  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
-----

---