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Subject: MPFIT parameter errors -0.00000  
Posted by [Eoj](#) on Mon, 09 May 2011 20:35:19 GMT  
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Hello,

I was wondering about something strange that seems to be going on with MPFIT in IDL. MPFIT seems to be working and producing a fine looking fit, but the errors on some of the parameters are identically -0.00000. These parameters are not limited or tied to anything at the moment, so they should be producing some parameter error. Output is attached below, MPFIT is ending with a "2" status. Any idea what is going on here? This only seems to happen for a specific data file, for other fits it seems to be working fine.

Cheers,  
Joe

IDL>

% MPFIT: WARNING: data is DOUBLE but parameters are FLOAT

% MPFIT: (converting parameters to DOUBLE)

Iter 1 CHI-SQUARE = 148.65044 DOF = 99

P(0) = 2.70126E+16

P(1) = 2.02481E+16

P(2) = 32.2569

P(3) = 37.7481

P(4) = 0.000100000

P(5) = 71.0903

P(6) = 0.273900

P(7) = 0.273900

P(8) = 930.748

P(9) = 930.748

Iter 1 CHI-SQUARE = 148.65044 DOF = 99

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STATUS

2

PERROR				
-0.00000	-0.00000	0.492911	1.38439	0.00000
0.930223	0.00000			
0.00000	0.00000	0.00000		

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