
Subject: Re: MPFIT and initial Guesses

Posted by [steve.kaeppler](#) on Mon, 10 Mar 2014 17:51:37 GMT

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I also have to add that I am wondering about the size of the derivative and how large a parameter can be stepped because as I watch the parameter output from the function, it looks like the functions are changing a very small amount. Example: 1.4000000 1000.0000 2842.8501

1000.0000 26.000000

1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	999.99999	2842.8501	999.99999	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.4000000	1000.0000	2842.8501	1000.0000	26.000000
1.3784718	1055.2616	2990.1060	1055.2616	21.457859

Notice how the 999.99999 moved very slightly.

Also, why is there this sudden abrupt shift in the last set of variables.

All I am wondering is whether I can get some of these 'initial steps' in the first iteration of the routine to be larger from the start. How do I do that? Does it involve setting the parameter information differently?

Hopefully this helps to clarify things a bit.

Thanks,
Steve
