
Subject: Re: Program caused arithmetic error: Floating illegal operand ; while using MPFIT

Posted by [Craig Markwardt](#) on Mon, 07 Jun 2010 02:57:37 GMT

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On Jun 6, 9:18 pm, pp <parul.pande...@gmail.com> wrote:

> Hi All,

>

> I am using MPFIT to solve a problem and I get this error : Program

> caused arithmetic error: Floating illegal operand.

> The value of my key STATUS is 4, NPRINT = 1, ERRMSG = is an empty
> string.

> Also the program returns the same value of parameters which were used
> as the starting parameters.

>

> STATUS = 4 indicates a success so can I be sure that the program is
> doing the right thing.

Set !EXCEPT = 2 to find out where the mathematical exception is occurring. However, math errors are not always a real problem, even though they get reported.

This FAQ entry gives some other suggestions

<http://cow.physics.wisc.edu/~craigm/idl/fitqa.html#parstep>

My guess is that you need to provide with MPFIT with better derivative step values.

Craig
