On Monday, October 6, 2014 7:26:26 PM UTC-4, Payam Bagheri wrote:
>
> Has anyone worked with the fitting procedure mpfit.pro in IDL? When my fitting function exceeds around 3600 characters (I have to use really large fitting functions) the code gives me this error:
>
> % MPFITEXPR: ERROR: execution of "The FUNCTION" failed
> % MPFITEXPR: check syntax and parameter usage
>
> Has any seen this and knows a work-around?

It means your string is not a valid IDL expression. The expression must be able to be EXECUTE()ed by IDL. I guess it is possible that IDL has a limit on the string size, but I don't know.

If you have a complicated function, you should be using MPFITFUN. Write your expression into a function once, and use that instead.

Craig