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Subject: Re: Challenging question - array curve fitting  
Posted by [JD Smith](#) on Tue, 03 Apr 2007 20:25:10 GMT  
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Just an unrelated followup question for Craig... MPFIT is (I hate to say it) quite slow, in particular for problems like this, where you want to simultaneously fit hundreds or thousands of things to complex models. I know it wasn't designed for speed, and the things it does are amazing (I particularly like arbitrary constraint expressions), but I wonder, what do you think the chances of improving the speed are? Would it require a fundamental rewrite, or is it more sensible to fall back on a C or FORTRAN version of the library (I actually don't know how the speed compares)? Should we lobby ITTVIS to throw out their non-linear fitters, and incorporate MPFIT into compiled code? Just want to get your perspectives. Thanks again for such a wonderfully useful tool.

JD

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