
Subject: Re: sigma in curvefit function!

Posted by [marcuirl](#) on Thu, 13 May 2004 18:20:42 GMT

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<Raquel.Niclos@uv.es> writes:

- > Hello,
- >
- > I was trying to use IDL curvefit function in order to obtain the
- > fitting parameters for a non-linear equation. This equation needs a
- > fixed parameter to be read from an external file, so I wrote a
- > program that read x,y and this parameter from a file, then it call
- > the curvefit function (I modified it in order to read this extra
- > parameter) with the corresponding function_name (where is my
- > equation, which uses this fixed parameter).
- > The problem is that I'm using the no-weighting form (because I'm
- > fitting one model results to another theoretical equation) and I
- > obtained nonsense values for the standard deviations on the fitted
- > coefficients (sigma). I read something about this, and I tried with
- > the mpcurvefit function too, but I didn't know how to read the
- > external fixed parameter from the mpcurvefit function (I didn't know
- > modify it in this case)
- >
- > Has anybody a solution? Has anybody an alternative program?

To quote David Fanning 03-May 14:26 in this very group, right here yes
(i.e. <http://tinyurl.com/23ro5>)

<quote David Fanning>

Yes, abandon CURVEFIT and get on over to Craig's site and pick
up MPFIT, the fitting software the professionals use. :-)

<http://cow.physics.wisc.edu/~craigm/idl/fitting.html>
</quote David Fanning>

TWH, marcu

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which I may be affiliated.
