
Subject: Re: lamda default value in CURVEFIT function

Posted by [Craig Markwardt](#) on Tue, 26 Nov 2013 16:08:29 GMT

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On Monday, November 25, 2013 10:05:52 AM UTC-5, fd_...@mail.com wrote:

> Hi

>

>

>

> The CURVEFIT function uses the Levenberg–Marquardt algorithm which is based on the equation:

>

>

>

> $(\text{TRANSPPOSE}(J)J + \text{lamda} * \text{diag}(\text{TRANSPPOSE}(J)J)(P1 - P0) = \text{TRANSPPOSE}(J)E$

...

>

> I was wondering if the default value of lamda is given by the keyword TOL and the default value is the 10^{-3} .

No. The Levenberg-Marquardt parameter (lambda) is adjusted automatically by the algorithm during the fit process.

CM
