
Subject: does curvefit() work ?

Posted by [aki](#) on Fri, 28 Apr 1995 07:00:00 GMT

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Hi

I have to fit a model function to given data and thought curvefit() would be a nice tool for doing that. In order to test curvefit() I ran the examples given in the online help. And no surprise curvefit calculated the 'right' fit. However when I slightly changed one of the starting values the fit was way off. I am aware that curvefit() finds local minima only, but for such a _simple_ example it should be able to converge to the proper fit.

Did anybody encounter similar problems with curvefit(). Is there a workaround? Or is there another general fitting routine around? (I know that there is a routine curfit() in the user_contrib/windt directory, but that one is most similar to curvefit and does not work either). To be specific I used the example given in the online help for curvefit() under the math section. When I changed the starting value from $a=[10.0, -0.1, 2.0]$ to $a=[.0, -0.1, 2.0]$ the fit failed

Any help is appreciated,

Andreas
