Subject: Re: Fitting curves
Posted by isaacman on Fri, 02 Sep 1994 20:08:00 GMT
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In article <CvIEz3.K5o@usenet.ucs.indiana.edu>, amaravad@silver.ucs.indiana.edu (ratnakar amaravadi) writes...
> In article <341uu7$9me@aragorn.unibe.ch> larkum@optolab.unibe.ch writes:
>> Hi,
>>
>> I know this goes around once in a while but I'm really confused about
>> how to use the CURVEFIT procedure. I want to fit a double or triple
> ^^^^^^^^^^^^^^^^^^^^^^
>> exponential curve to some data. Inititally, I'll be happy to try
> ^^^^^^^^^^^^^^^^^^
>> out a single exponential fit.
>>
>
> pardon my ignorance, but do you mean a sum of 2 or 3 exponentials :
> like Y(x) = A*exp(Bx)+C*exp(Dx). If this is what you want to do,
> it is fairly straight forward with the CURVEFIT procedure. For better
> understanding try reading the Marquartdt algorithm from Bevington.
> This book is refered to in the help pages of IDL's CURVEFIT routine.

Be very careful in your choice of both minimization algorithm and
initial guess parameters for this function! It can be VERY
ill-conditioned.

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