Subject: Re: What is the difference between 'curvefit', 'lmfit' and 'svdfit' procudure?
Posted by Craig Markwardt on Wed, 07 Mar 2007 14:20:48 GMT
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"duxiyu@gmail.com" <duxiyu@gmail.com> writes:

> I have a set of 'x' and 'y', and want to use a special function 'f(x)'
> to fit it.
> The function 'f(x)' contains three parameters.
> But I'm confused by the three different procudure 'curvefit', 'lmfit'
> and 'svdfit'.
> It seems that all of them can meet my request, but I don't know the
> difference between them.

SVDFIT is for fitting linear combinations of basis functions, probably
not what you wanted. You could use LMFIT or CURVEFIT.

You can also graduate straight to MPFIT and MPFITFUN which are both
easier to use, and give you more options when you need them.

Good luck!
Craig

See http://cow.physics.wisc.edu/~craigm/idl/idl.html (under Curve Fitting)
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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
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