Subject: Re: 2-d fitting
Posted by xqinshan on Wed, 12 Nov 2008 13:29:00 GMT
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> On Nov 12, 12:25 am, xqinshan <xqins...@tom.com> wrote:
>
>> Hi,
>> I have a set of data zi at indepent vaiables (xi,yi). I want to get
>> coefficients of a fiting function such as f(x,y)=a*f1(x,y)+b*f2(x,y)
>> +c*f3(x,y)+..., f1(x,y),f2(x,y)... are given by myself. If f1(x,y),f2
>> (x,y)... are polunomials, we can use sfit or mpfitfun to do it. Are
>> there any routines to do it?
>
> Yes, but MPFITFUN is not limited to polynomials, it can be any
> function you wish, including multiple variables.
>
> http://www.physics.wisc.edu/~craigm/idl/fitqa.html#multivar
>
> If the user function is a linear combination of known functions, then
> SVDFIT can also be used.
>
> Craig

I have tried cof=svdfit([x,y],z,a=a), it returns "SVDFIT: The input X
must be a vector"!