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Subject: Re: How to do surface fit?

Posted by [Gang Chen](#) on Wed, 28 Jan 1998 08:00:00 GMT

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> Use the KX keyword to SFIT, it will return an array of coefficients, in  
> your case:  
>  
> IDL> zfit = SFIT(z,2,KX=k)>  
> IDL> help,k  
> COEFF FLOAT = Array[3, 3]  
>  
> They are calculated with the convention X= 0,...,NX and Y=0,...,NY  
> (so you must to make the needed conversion).

Hi Evilio,

I really appreciate your help on this. It seems that it almost works the way I wanted. But I have another question: Since the default grids are set with X= 0,...,NX and Y=0,...,NY in the source code for SFIT, how can I do for anon-uniform grids (e.g., X=0, 1, 4, 5, 9, ..., and Y=3, 4, 7, 11, ..)? Do I have to resort to interpolation so that values at uniform grids can be distributed?

Many thanks,  
Gang Chen == [gang@cochise.biosci.arizona.edu](mailto:gang@cochise.biosci.arizona.edu)

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