Subject: Re: curvefit
Posted by nolan.smith1 on Tue, 14 Jun 2005 04:02:00 GMT
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Thank you!
I had a little typo in the function that I gave you,
it is y(x)=A/(1+x/B)^2.
Your answer was really helpful so thanks again!!!

Nolan

Vinay L. Kashyap wrote:
> In article <1118691431.765056.244800@f14g2000cwb.googlegroups.com>,
> <nolan.smith1@gmail.com> wrote:
>> Hello,
>>
>> I am new in IDL and I am trying to fit my data (x,y coordinates) in a
>> function of this form:
>>
>> y(x)=A/[(1+x/B)^1/2]^2
>>
>> so that I can calculate A and B.
>>
>> I have read the documentation but I am very confused as to how I should
>> set up my function to use it at the curvefit.
>> Could you please explain to me how to set up the function and how to
>> use curvefit correctly?
>>
>> Thank you,
>> Nolan Smith
>>
>
> Create a new procedure, say testfun.pro:
>
> pro testfun,x,y,par,dfdpar
> y=par[0]/((1+x/par[1])^(1./2.))^2
> ;question: why is this not y=par[0]/(1+x/par[1]) ?
> dfdpar=fltarr(n_elements(x),2)
> dfdpar[*,0]=y/par[0]
> dfdpar[*,1]= {partial}y/{partial}B ..
> ;calculation left as an exercise for the reader!
> return
> end
>
> and then call curvefit as
> yfit=curvefit(x,y,weights,par,function_name='testfun')
>
> vinay

> --
> _____
_____
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