Subject: fitting with SVDfit and curvefit
Posted by Kirmanta de Malher on Mon, 02 Mar 1998 08:00:00 GMT
View Forum Message <> Reply to Message

Hi, everybody,
well i am testing several IDL functions to fit one dimensional data.

CURVEFIT

For the moment, i tested CURVEfit.
My datas are for example a lorentzian (e.g 1/(1+x*x)) with 3
parameters.
With a 'real' lorentzian curve (without any other curves or offest),
Curvefit gave me the right results.
BUT, when i add an offset to the curve, then i obtained poor results.
I have the same results or errors due to the arithmetic errors (
overflow error,...) when my initial guess for the parameters are not
close to the theoritical ones.

SVDFIT
I would want an example to show me how i must create an user model
function to be used with SVDFIT.
This function may not be polynomial or linear.
AN example is :
a(0)^2/(a(0)^2*a(1) + 4 *(a(2) -x)^2)

I am using the 4.0.1 on a Sparc station
thansk for answering
prefer email to : fernande@irm.chu-caen.fr

-

+-------------------------------------+
| |
| Jesus Fernandez |
| Unite IRM du CHU de Caen |
| Avenue de la cote de nacre |
| 14033 Caen |
| France |
| |
+-------------------------------------+