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

_

