
Subject: Re: weighted least squares fit with error in both y and x
Posted by [Wayne Landsman](#) on Sun, 05 May 2002 22:40:48 GMT
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Kim Nielsen wrote:

- > Hi,
- >
- > I am fitting a straight line to a data (x,y) set with error in both
- > coordinates (sigma_x and sigma_y).
- > Is there an easy way in IDL to obtain the paramaters with their errors

The "Numerical Recipes" iterative algorithm for solving this problem is implemented in

<http://idlastro.gsfc.nasa.gov/ftp/pro/math/fitexy.pro>

Several other procedures (MINF_BRACKET, MINF_PARABOLIC, ZBRENT) from the above directory are also required.

--Wayne Landsman landsman@mpb.gsfc.nasa.gov
