Subject: Fitting an implicit function with IDL
Posted by Gianluca Li Causi on Tue, 08 Jun 2010 10:54:18 GMT
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Hi all,
I have to find the A, B and C parameters which best satisfy (in the chi-square sense) the following equation:

$$A * g(x) + (W(x) + B) / (X(x) + C) = 0$$

where g(x) is a known function of x and (W +/- sigmaW) and (Z +/- sigmaZ) are two sets of measured data together with their measurement errors.

This is different from the usual form F(x, A,B,C) = Y where a function of x and parameters is to be fitted to a dataset (Y +/- sigma_Y).
So, how to use the various IDL fitting routines to solve this problem??

Thanks a lot to anybody who can help!
Cheers
Gianluca