Subject: Re: Fitting an implicit function with IDL
Posted by Gianluca Li Causi on Wed, 09 Jun 2010 11:17:36 GMT
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>
> What I am not quite sure is how you include the data uncertainties in
> the model.

Dear Craig and Heinz,

in fact this is my problem: in the usual form F(x, A,B,C) = Y the data uncertainties are on the right side, i.e. Y(x)+/-Err_Y(x), even if Y=0, while in my case the data W(x) and Z(x) are within a functional form which does not allow to isolate them on the right side.

In general if I have an equation F(x, Data(x) +/- Err_Data(x), Params) = 0 and I try to write it as F +/- Err_F = 0, computing Err_F as the error propagation of Err_Data through F, I get a parameter-dependent uncertainty Err_F = Err_F(Params)!

This is why I cannot use CURVEFIT or the like (even MPFIT if I understand). Can I?

Gianluca