Subject: Constrained fit of a straight line: fixed intercept
Posted by Joe Daal on Fri, 27 Aug 2010 04:36:31 GMT
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Hi,

I am not sure how easy this problem is, but it sure gave me hell
today.
I have the following vector arrays: X, Y, & Y_errors. There are 5
elements in each and they do form a nice line describes by Y = A + BX.
I need to fit this line with B as a free parameter and constrain A to
pass by the the third point.
So the problem narrows down to one parameter as: Y = (Y0 - BX0) + BX,
whre Y0 and B0 and the third point values (i.e., X[2] and Y[2]).
I tried using MPFIT with the PARINFO keyword. It just didn't work.
Any ideas? Thanks....

-Joe