Subject: CURVEFIT question
Posted by elias on Wed, 31 Aug 2005 08:29:11 GMT
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Hi,

I am trying to fit a function to a set of data that I have generated
with a program in IDL.

I have made various checks to see that the generated data is correct.

So what I have is:
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X FLOAT = Array[320]
Y FLOAT = Array[320]

weights=1.0/y (WEIGHTS FLOAT = Array[320])

init=1.0 (;initial value for the user function)

yfit=CURVEFIT(x,y,weights, init, SIGMA, /NODERIVATIVE,
FUNCTION_NAME='microfit')
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The microfit function is:

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PRO microfit, x, init, f, pder

f=1.0-0.5*(ERF((1-x)/init)+ERF((1+x)/init))
pder = FltArr(N_ELEMENTS(x))

END
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I do not really understand completely how CURVEFIT works (I am also new
in IDL), but I use /NODERIVATIVE since I don't have analytical
expression for the partial derivative df/dinit.

I get this error message:

% Operands of matrix multiply have incompatible dimensions: <FLOAT
Array[1]>, PDER.

Any idea?