
Subject: Re: Notes on CURVEFIT.PRO

Posted by [knight](#) on Tue, 06 Oct 1992 17:16:37 GMT

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In article <5OCT199223161224@stars.gsfc.nasa.gov>, landsman@stars.gsfc.nasa.gov|> (They are simple enough to add by individual users but I think it would

|> be better if RSI would standardize them.)

|>

|> (1) Add a keyword determining the maximum number of iterations to
|> be attempted.

|> (2) Add a keyword giving the chi square of the final fit.

|> (3) Add a /DEBUG or /VERBOSE keyword giving the results of each
|> iteration (these are now commented lines in the code)

|> (4) Add a parameter to choose which parameters to hold constant and
|> which parameters to vary

I'd make this a keyword, e.g., /FIXED=[1,0,0,1,0] to hold the first and fourth
parameters constant.

|> (5) Maybe use the STATUS parameter of the INVERT function to signal

|> a small pivot element

I would also add:

(6) Optional upper and lower bounds for varied parameters.

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