

Subject: Problems with curvefit

Posted by [Emilio Martines](#) on Wed, 12 Mar 1997 08:00:00 GMT

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Hello. I am using `curvefit` in IDL 4.0.1 for fitting a set of data point with a curve of the form

$$y=a*(\exp((x-b)/c)-1)$$

where x is the dependent variable and a, b, c are the fit parameters. It usually works fine, but sometimes, when the data are really bad, it goes into an infinite loop. Since the fit is embedded into a more complex program, this is very annoying. I would rather like the routine to exit nicely, even without performing the fit. Has anyone found the same problem? Is there a solution? Thanks a lot.

Emilio

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| And now I know that we must lift the sail
|
| and catch the winds of destiny
|
| wherever they drive the boat.

Edgar Lee Masters (Spoon River Anthology)