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Subject: Gaussian Curve Fitting

Posted by [Professor Michael Alp](#) on Fri, 29 Nov 1996 08:00:00 GMT

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Can anyone give me their benefit of their experience with Gaussian curve fitting and (I suspect the primary culprit) curvefit.pro.

These routines are just not robust enough. 1D Gaussfit sometimes suddenly fits very badly - due to subtle differences in the input data.

Furthermore, IDL 4.01 help refers to the keyword "NTERMS" but, my gaussfit.pro does not accept this. Cutting and running the Gauss2Dfit example from the help documentation caused my 100MHz pentium to hang - at least after 30 minutes I rebooted.

The Gauss2Dfit documentation refers to the need to have the data span at least 5-8 halfwidths - any other pearls of wisdom?

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