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Subject: gaussfit question

Posted by [mirko\[1\]](#) on Fri, 29 Oct 1999 07:00:00 GMT

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Hi!

I have a 2D dataset representing a surface (intensity plot of x-ray scattering data) and i like to fit these data with GAUSS2DFIT() function which does not work. So I tried to fit one line of the dataset wit GAUSSFIT which does not work either.

This it is confusing to me because other math computer programs have no problem with this simple curve. Is there something I have to consider?

Cheers

Mirko

```
IDL> y=[52.0,52.7,56.0,60.9,65.40,71.40, 75.20,
80.80,86.1,89.8,88.3,94.8,94.9,100.5,100.1,103.9,105.3,106.2 ,107.3,
108.2,106.1,105.7,107.8,102.2,
101.3,97.2,92.1,87.4,87.0,82.5,77.4,69.9,67.7, 62.1, 58.9, 53.4,53.8]
IDL> x=findgen(37)
IDL> yfit=gaussfit(x,y,a)
% Compiled module: GAUSSFIT.
% Compiled module: POLY_FIT.
% Compiled module: CURVEFIT.
% Program caused arithmetic error: Floating underflow
```

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