
Subject: Re: learning how to use mpfit,. need help
Posted by [Harald Frey](#) on Tue, 25 Feb 2014 23:42:01 GMT
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On Tuesday, February 25, 2014 1:35:53 PM UTC-8, alk...@gmail.com wrote:

```
> Hi
>
>
>
> I am new to idl and learning how to use mpfit but run into error, please help if you have time.
>
>
>
>
> IDL version 6.3
>
>
>
> //////////////////////////////////
>
> IDL> x = findgen(101)
>
> IDL> y = 25.*exp(-(x-32.)^2/(2*5.^2))+2.*randomn(0,101)
>
> % Program caused arithmetic error: Floating underflow
>
> //////////////////////////////////
>
>
>
> these are the tutorial from the daedalus.as.arizona.edu group.
>
>
>
> thanks in advance.
>
>
>
> LR
```

Do this in double precision and you will not get the error:

```
IDL> x = dindgen(101)
IDL> y = 25.*exp(-(x-32.)^2/(2*5.^2))+2.*randomn(0,101)
```
