
Subject: Re: fit through zero

Posted by [Paolo Grigis](#) on Thu, 01 Mar 2007 09:38:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Bringfried Stecklum wrote:

> Reimar Bauer wrote:

>> Hi all

>>

>> I like to use a fit function which I can tell please go to 0,0

>>

>> How can I do that with e.g. `poly_fit` or did you know an equivalent routine?

>>

>> cheers

>> Reimar

>>

>>

> Hello Reimar,

>

> since you asked about `poly_fit` I assume that you want to fit a

> polynomial. It would be easy if `poly_fit` offers a keyword to flag

> certain degrees of the polynomial which then would be omitted from the

> fit. Since this is not the case I suggest to use `svdfit` with a user

> defined function. A polynomial without the constant term, i.e.

> $y=ax+bx^2+cx^3...$ might be O.K.

>

> Note that `svdfit` uses a polynomial as well if no user-defined function

> is specified. However, the polynomial degrees cannot be flagged either.

> Since `svdfit` is just a wrapper for the hardcoded `nr__svdfit` this feature

> can only be added by the ITT folks.

>

> with kind regards,

Here it's probably a good idea to use `mpfitfun`. Once you have your polynomial function defined, it is easy to keep some of the polynomial coefficients fixed for the fit.

Ciao,

Paolo

>

> Bringfried

>

> -----

> Dr. Bringfried Stecklum

> Thueringer Landessternwarte Tautenburg

> Sternwarte 5

> D-07778 Tautenburg, Germany

> Phone: +49-36427-863-54

> FAX: +49-36427-863-29

> -----
