
Subject: Re: xerr

Posted by [Jeremy Bailin](#) on Thu, 18 Dec 2008 14:49:43 GMT

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

On Dec 17, 5:08 pm, Paolo <pgri...@gmail.com> wrote:

> This is discussed for example in

> section 15.3 in edition 3 of the book

> "numerical recipes".

>

> Ciao,

> Paolo

>

> Vince Hradil wrote:

>> On Dec 17, 2:27 pm, lakshmi <lax...@gmail.com> wrote:

>>> Hi,

>

>>> I've been using mpfitfun to fit measured values of period (y) and

>>> distances (x) in a linear equation $y = a + bx$.

>>> I would like to know if we can include the measured uncertainties in x

>>> values too?

>

>>> Thanks,

>

>>> Lakshmi

>

>> Well, since it's a linear problem you should probably choose a linear

>> solution, not mpfitfun. Also, you need to take into account the

>> variance and covariance for both x and y, so you need to solve this

>> with care.

>

>> If you google "fitting a straight line when both variables are subject

>> to error" you'll get a lot of info:<http://tinyurl.com/54m8l3>

>

>

On a complete tangent... how is the third edition compared to the second? I've been hemming and hawing about picking it up.

-Jeremy.
