Subject: Re: xerr
Posted by laxsri on Wed, 17 Dec 2008 22:41:51 GMT
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On Dec 18, 9:08 am, Paolo <pgri...@gmail.com> wrote:
> This is discussed for example in
> section 15.3 in edition 3 of the book
> "numerical recipes".
>
Not sure how to constrain the intercept though...
It seemed rather easy to use mpfitfun! Wondering if that is wrong?

Lakshmi

> 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