
Subject: Re: MPFIT2DFUN

Posted by [Paolo Grigis](#) on Tue, 31 Oct 2006 13:30:55 GMT

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

You may want to read the discussion in the "numerical recipes in C" book, chapter 15.3 (freely available on the web), for the two-dimensional case (that is, a straight line fitting with errors in x and y).

Ciao,
Paolo

Steve wrote:

> Hi all,
>
> I'm using the excellent mpfit2dfun to fit a plane $Z=f(X,Y)$ in the
> following way :
>
> myfit = MPFIT2DFUN('MYFORM', X, Y,Z,err_Z,start)
>
> It works very nicely, but I can only account for errors in Z. In the
> particular case I'm working with, I also have errors in X and Y. Is
> there any way to account for these errors? Or any other routine to use?
>
> Thanks a lot!
> S.
>
