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Subject: Re: MPFIT2DFUN- use for a time series of images?

Posted by [Gray](#) on Thu, 10 Mar 2011 20:27:59 GMT

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On Mar 10, 3:01 pm, Katie <kmwhite21...@gmail.com> wrote:

- > I want to fit pixel values to a logistic model that each have X, Y
- > coordinates and a day of the year value associated with them. I see
- > from the MPFIT2DFUN documentation how to define X, Y for a each Z
- > dependent value and the dependent error value, but can a third
- > variable (day of the year in this case) be defined in order to fit a
- > curve in MPFIT2DFUN? I currently have each each date as a separate
- > band in a stacked image file that I exported as an ASCII file. I want
- > to determine the day of the year that the pixel values (vegetation
- > indices) reach a value on the the curve.
- >
- > Any suggestions, or perhaps I am not understanding the MPFIT2DFUN
- > correctly (I am very new to IDL)?

Well, you're trying to fit 3d data with a 2d function. I would look at mpfitfun or just mpfit.

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