Subject: Re: Fourier fit

Posted by Wox on Mon, 14 May 2007 11:12:30 GMT

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On 14 May 2007 01:14:10 -0700, laurasperoni79@yahoo.it wrote:

- > Hello, for my thesis I need to compile a program in IDL that can give
- > me automatically the best Fourier fit for light curves of Cepheids,
- > take the dates from a list in txt and show me the graphic of these
- > curves.
- > I've also to understand a little program who compile my teacher but
- > it's derived from Fortran and is not so easy.
- > Can anibody help me to write my program? Ideas? Suggests?
- > Thanks

Fourier fitting is a non linear least squares problem. I don't really know what you want here, but maybe Marc Buie's fourfit gets you started (http://www.lowell.edu/users/buie/idl/downloads/)?

Subject: Re: Fourier fit

Posted by Wox on Mon, 14 May 2007 11:44:37 GMT

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On Mon, 14 May 2007 13:12:30 +0200, Wox <nomail@hotmail.com> wrote:

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>

I see there's also a profile lcfit.pro: "Fit a lightcurve function".

Subject: Re: Fourier fit

Posted by Christopher Thom on Mon, 14 May 2007 17:16:13 GMT

Quoth laurasperoni79@yahoo.it:

- > Hello, for my thesis I need to compile a program in IDL that can give me
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- > derived from Fortran and is not so easy. Can anibody help me to write my
- > program? Ideas? Suggests?

To help you write your programme, I would suggest david's book: http://www.dfanning.com/documents/books.html especially as you seem new to the IDL universe. It will be money very well spent, and many hours of frustration saved.

cheers chris