
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:

> 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 anybody 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/>)?

>

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