Subject: Fourier Fitting Data in PV-Wave
Posted by Solargus on Tue, 04 May 2010 18:03:30 GMT
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I've searched the online PV-Wave manual and this news group, but I cannot find anything on Fourier fitting a (nonlinear) data set and returning the Fourier series for that fit. Can anyone point me in the right direction?

Thanks!

Solargus

Subject: Re: Fourier Fitting Data in PV-Wave
Posted by Craig Markwardt on Wed, 05 May 2010 02:25:37 GMT
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On May 4, 2:03 pm, Solargus <solar...@gmail.com> wrote:
> I've searched the online PV-Wave manual and this news group, but I
> cannot find anything on Fourier fitting a (nonlinear) data set and
> returning the Fourier series for that fit. Can anyone point me in the
> right direction?

It's unclear what you mean by "nonlinear." A Fourier series is the *linear* combination of the Fourier basis functions. One way to estimate Fourier coefficients is with the Fourier transform, or FFT.

Craig

Subject: Re: Fourier Fitting Data in PV-Wave
Posted by Solargus on Wed, 05 May 2010 16:19:44 GMT
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On May 4, 10:25 pm, Craig Markwardt <craig.markwa...@gmail.com> wrote:
> On May 4, 2:03 pm, Solargus <solar...@gmail.com> wrote:
>
>> I've searched the online PV-Wave manual and this news group, but I
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>
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> *linear* combination of the Fourier basis functions. One way to
> estimate Fourier coefficients is with the Fourier transform, or FFT.
>

> Craig

What I mean by "nonlinear" is that the data visually fits a quasi-sinusoidal pattern.
