Subject: Curve Fitting to timeseries using a set of 8 sine and cosine functions

Posted by siumtesfai on Sat, 25 Oct 2014 05:47:15 GMT

I think you should try to be for specific to ask question here.

Suppose I have a timeseries with the S size.

I want to do nonlinear fitting to the timeseries using the following fourier series (harmonic function)

And I would find 8 coefficients such as An and Bn where n = 1,2,3,4

That is.

A1,A2,A3,A4
B1,B2,B3,B4

I have attempted to understand how it works mpfit by Craig and curvefit . Unfortunately, I did not because I am not IDL expert. So I posted this if anyone can help

Best Wishes

Thanks for you help