

# *The Fourier Analysis Panel:*

`paste_10.tiff ↵`

Clicking on the *Show Fit* button will display the fourier fit for the Active Data Set in the Data Set's Plot. The fit will have the range displayed in the Fourier Analysis Panel and use the number of intervals specified. These fields should have reasonable default values already.

Clicking on the *Plot Fourier Data* button will plot the complex data

produced by the fourier fit on the Active Data Set as X-Y data. The data will be placed into the Active Plot if there is one and it belongs to the Document that the Active Data Set belongs to - otherwise a new Plot is created for the Document and the data is plotted in it.

Clicking on the *Amplitude vs Frequency* button will plot the amplitude data produced by the fourier fit on the Active Data Set as X-Y data. The data will be placed into the Active Plot if there is one and it belongs to the Document that the Active Data Set belongs to - otherwise a new Plot is created for the Document and the data is plotted in it.

Clicking on the *Phase vs Frequency* button will plot the phase data produced by the fourier fit on the Active Data Set as X-Y data. The data

will be placed into the Active Plot if there is one and it belongs to the Document that the Active Data Set belongs to - otherwise a new Plot is created for the Document and the data is plotted in it.

You may set the frequency unit used in the fit by selecting either the *Hertz* or the *radians/sec* button.

Plotting any data from this panel implicitly does fourier analysis on the Active Data Set.