

1 Spectral Analysis

We've just discussed various spectral analysis techniques in the class, along with introduced you to the **MATLAB** `fft` routine. You can use either the built in `fft` routine or the file `MySpecAnalysis.m` to complete the worksheet

- (1) Download the data file `power.dat` and the MATLAB file called `MySpecAnalysis.m` from the dropbox. Perform a spectral analysis on this data set using the techniques we just introduced in the lecture. You can use either the supplied **MATLAB** file or the built in **MATLAB** `fft` routines. The data is sampled every 1/1024 seconds and first column is not the time but the sample number.
- (2) Do problem 8. The data file `tuning fork.dat` can be downloaded from Teams.