Thesis Data Frame

The following table will help you find the data associated with each figure in my thesis. The numbers in the Figure column correspond to the numeric figure labels in my thesis. The file names in the Data column correspond to the raw data (.csv files) in the "All Data" section of the backup. The file names in the Notebook column tell you the name of the jupyter notebook (.ipynb file) where the figure was generated.

Figure	Data	Notebook
1.4	See below	Pump&Probe Practice
2.3	jan16_1.csv jan16_2.csv jan16_3.csv jan16_4.csv jan16_5.csv jan16_6.csv jan16_7.csv jan16_8.csv jan16_9.csv jan16_10.csv jan16_11.csv jan16_12.csv jan16_13.csv jan16_14.csv jan16_15.csv jan16_16.csv	Resulution_FFT
2.4	may16_1.csv may16_5.csv	bestfit
2.5	Generated using synthetic_data.py	Resulution_FFT
2.6	Generated using synthetic_data.py	Resulution_FFT
2.7 & 2.8	may16_1.csv may16_2.csv may16_3.csv may16_4.csv may16_5.csv	Control_Plots
2.9	feb1_6.csv feb1_7.csv feb1_8.csv feb1_9.csv feb1_10.csv feb1_11.csv	Control_Plots
2.10	feb1_0.csv feb1_1.csv feb1_2.csv	Control_Plots

	feb1_3.csv feb1_4.csv feb1_5.csv	
2.13	apr1023_3.csv apr1023_4.csv apr1023_7.csv apr1023_8.csv	Laser_Transducer_Testing
2.14	apr1023_8.csv	Laser_Transducer_Testing
2.15	jan17_1.csv jan17_2.csv jan17_3.csv jan17_5.csv jan17_6.csv jan17_8.csv jan17_9.csv jan17_10.csv jan17_11.csv jan17_12.csv jan17_13.csv jan17_19.csv	Laser_Transducer_Testing
3.1	jan18_4.csv	HomogeneousCement2
3.3	TEK0084.csv TEK0085.csv TEK0087.csv TEK0089.csv TEK0091.csv TEK0093.csv	P-wave_Probe_Feb22
3.4	TEK0001.csv TEK0002.csv TEK0003.csv TEK0004.csv TEK0005.csv	Amplifier1_Testing
3.5	feb9_51.csv feb9_53.csv feb9_55.csv feb9_57.csv feb9_59.csv feb9_61.csv feb9_63.csv	HomogeneousCement2
3.6	TEK0050.csv TEK0051.csv TEK0052.csv TEK0053.csv TEK0054.csv TEK0055.csv TEK0056.csv	P-part_S-probe

3.7	TEK0040.csv TEK0041.csv TEK0042.csv TEK0044.csv TEK0045.csv	P-part_S-probe
3.8	TEK0057.csv TEK0058.csv TEK0059.csv TEK0060.csv TEK0061.csv	P-part_S-probe
3.9	TEK0106.csv TEK0107.csv TEK0109.csv TEK0111.csv TEK0113.csv TEK0115.csv	P-wave_Probe_Feb22
3.10	feb9_18.csv feb9_15.csv feb9_12.csv feb9_9.csv feb9_6.csv feb9_3.csv	Cement_Cu_5mm
3.11	feb9_14.csv feb9_11.csv feb9_8.csv feb9_5.csv feb9_2.csv	Cement_Cu_5mm
3.12	TEK0074.csv TEK0075.csv TEK0076.csv TEK0077.csv TEK0078.csv	P-part_S-probe
3.13	TEK0069.csv TEK0070.csv TEK0071.csv TEK0072.csv TEK0073.csv	P-part_S-probe

Paths to Motivation plot (Figure 1.4) Data:

'Jacobs_Nonlinearity_Stuff/Nonlinearity-master/Jacobs_Data/Cement-Models/Cement_wt_cu_wires/O1/Frequency_testing/300kHz/2021-07-23/Trial1/10.0V/pr0.csv

'Jacobs_Nonlinearity_Stuff/Nonlinearity-master/Jacobs_Data/Cement-Models/Cement_wt_cu_wires/O1/Frequency_testing/400kHz/2021-07-25/Trial1/10.0V/pr0.csv'

'Jacobs_Nonlinearity_Stuff/Nonlinearity-master/Jacobs_Data/Cement-Models/Cement_wt_cu_wires/O1/2021-04-09/Trial1/10.0V/pr0.csv'

'Jacobs_Nonlinearity_Stuff/Nonlinearity-master/Jacobs_Data/Cement-Models/Cement_wt_cu_wires/O1/Frequency_testing/600kHz/2021-07-26_02/Trial1/10.0V/pr0.csv'

'Jacobs_Nonlinearity_Stuff/Nonlinearity-master/Jacobs_Data/Cement-Models/Cement_wt_cu_wires/O1/Frequency_testing/700kHz/2021-07-27/Trial1/10.0V/pr0.csv'