Dept of Electronics and Communication Engineering, TKMCE Kollam

Scientific Computing Lab   Aug-Dec 2020

Lab 8: Simple Data Analysis with Spreadsheets

Experiment:

1. Create a sample .csv/.xls file with the first column depicting time and second and third columns depicting the amplitude samples of a sine and cosine wave respectively.
2. Read this .csv or .xls file as an array and plot it.
3. Compute the mean and standard deviation of the signal. Plot its histogram with an appropriate bin size.

Reports:

Preliminary Lab report:

1. Write the algorithm/ flowchart for the experiments listed in preceding section

Final Lab Report:

In addition to the Pre-lab report, document the code, comment each line and clearly report the results of each program (wherever applicable).