

MATH 416, HW 5, FALL 2014

1. Compare experimentally the computational cost of your 1-dimensional DFT and FFT implementations from HW4, with that of the native Matlab FFT implementation (`fft`). For this problem, depending on what computer you use you must carefully choose the size of data to be processed, so that your time measurements are, both, non-negligible and finite.

Discuss the results and provide some potential remedies for the underperforming algorithms.