CS 5220 Project 1

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1 Introduction

In this project, we tried several methods to fine-tuning the general matrix multiplication function. Based on the <code>dgemm_blocked.c</code>, we tried unrolling index, modifying loop sequence to take advantage of SSE, and experimenting with different optimization flags.

- 2 block unrolling
- 3 Loop structure modification and AVX
- 4 Optimization Flags
- 5 Plots
- 6 Next Steps