

# 15-418/618

## Assignment 1

### Solution

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You should plan to generate a document reporting your results for the five problems. This one was created using the  $\text{\LaTeX}$  document preparation system, but you are free to use whatever method you like. The final version should be in a file named `report.pdf`.

- 1 Problem 1: Parallel Fractal Generation Using Pthreads**
- 2 Problem 2: Vectorizing Code Using SIMD Intrinsics**
- 3 Problem 3: Using Instruction-level Parallelism in Fractal Generation**
- 4 Problem 4: Parallel Fractal Generation Using ISPC**
- 5 Problem 5: Iterative Square Root**