Xiaoru Chen

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Project #0

CS 475/575

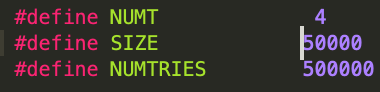
2021-04-05

**Machine I ran this on:**

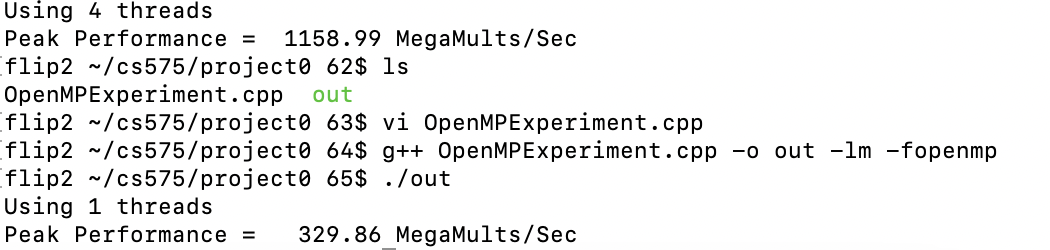
I used my MacBook pro to ssh to OSU ENGR server.

**Key snippets of code:**





**Performance results:**



**Speedup:**

**Parallel fraction:**

**Analysis:**

The speedup is 3.514, which is less than 4.0.

The four threads program finishes faster than the one thread program because it can proceed to work simultaneously. However, a multithreaded program needs to do extra work coordinating multiple threads when calculating. So the speedup cannot reach 4 times.