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**Project No: - Project#0**

**Project Name: - SIMPLE OPENMP EXPERIMENT**

1. I ran Project0 on OSU flip1 server on Windows 11 operating system laptop.
2. For 1 threads, Peak Performance = 171.58 MegaMults/Sec  
For 4 threads, Peak Performance = 580.48 MegaMults/Sec
3. 1-thread-to-4-thread speedup = 3.38
4. Ideally, 1-thread-to-4-thread speedup should be equal to 4. But the total speedup would be less than 4 due to performance overhead. It would depend on how much code could be parallelized.
5. Parallel Fraction,  $F_p = 0.94$