Project 0: Simple OpenMP Experiment

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1. What machine did you run on?

  I ran this project on os2.

2. What performance result did you get?

  For 1 thread I got:

   Peak Performance =   986.04 MegaMults/Sec

   Average Performance =   896.36 MegaMults/Sec

   For 4 threads I got:

   Peak Performance = 2168.93 MegaMults/Sec

   Average Performance = 1880.31 MegaMults/Sec

3. What was 4-thread-to-1-thread speed up?

  Speed up is 2.199636 for 4-thread-to-1-thread

4.If the 4-thread-to-one-thread speed up is less than 4.0 why do you think it is this way?

  I think the reason the speed up from 4-thread-to-1 thread is less than 4 is because the process is running more quickly. So more work is done quickly.

5. What was your Parallel Fraction, Fp?

  Parallel fraction is 0.727172