

## Homework 4 solution discussion

### Part 1:

For 4 threads dynamic works better than static or dynamic50 (xxx50 is with block size 50) although they are close. There is enough variation to make dynamic better than static, static50 and dynamic50. Guided does better than all by a small amount, reflecting the lower scheduling costs.

### Part 2:

Quadrupling the number of threads causes the loop to run faster by slightly under a factor of 4.

### Part 3.

The parallel execution runs almost 4 times faster (on 4 threads) than the sequential loop.)

### Part 4:

The parallel runs faster than the sequential, and very slightly faster than the sections code, perhaps because of load balance?