

## Simple OpenMP Experiment

1. **Machine:** OSU flip (Linux)

2. **Performance Results (SIZE:16384, NUMTRIES:20)**

Using 1 threads

Peak Performance = 1002.40 MegaMults/Sec

Average Performance = 867.04 MFLOPS

Using 4 threads

Peak Performance = 3124.72 MegaMults/Sec

Average Performance = 2775.64 MFLOPS

3. **Speedup (S)** =  $3124.72 / 1002.40 = 3.12$

4. **Parallel Fraction:** =  $(4/3) * (1 - (1/3.12)) = 0.9$