# Pthread Report

### James Blankenship

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#### 1 Time

#### 1.1 no locks

• default time .360 counter: 39999

• 2 200000 time: 3.706 counter:399832

• 10 200000 time; 27.887 counter:1999999

• 4 40000 time: 1.487 counter: 159999

• 4 800000 time: 47.423 counter:3199869

### 1.2 pthread locks

• default time: .363 counter:39999

• 2 200000 time: 3.771 counter:399930

• 10 200000 time: 29.083 counter:19999422

• 4 40000 time: 1.518 counter:159999

• 4 800000 time: 46.744 counter:3199999

#### 1.3 TAS

• default time: .341 counter: 39999

• 2 200000 time: 2.958 counter:399999

• 10 200000 time: 28.179 counter:1999948

• 4 40000 time: 1.334 counter: 159999

• 4 800000 time: 47.173 counter: 3199999

#### **1.4** TATAS

• default time: 1.330 counter: 39999

• 2 200000 time: 3.900 counter: 399999

• 10 200000 time:27.190 counter: 1999999

• 4 40000 time 2.317 counter: 159999

• 4 800000 time: 48.490: counter 3199999

## 2 Analysis

Pthreads seem to be the best time wise overall, followed by TAS.No Locks and TATAS did the worst. I did runs of default runs, and low thread low runs. I also did low thread high runs. I also did higher threads with low and high runs.