# C

# on fermat-15 without rtm

**Details:** fermat-15 - 4 processors. Each Intel(R) Core(TM) i7-2600 CPU @ 3.40GHz

8 threads in total - 2 hyper threads per core

Test is run on 4 lists , each update/remove does update/remove on all 4 lists.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | Num threads | Look prop | Rq prop | Rq size | Fraq updates | Remove prop | Keys range | Time to run | Num successes | Ms per success |
| Global | 1 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 583022 | 8.576 |
|  | 2 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 666517 | 15.004 |
|  | 4 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 691208 | 28.935 |
|  | 8 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 520533 | 76.846 |
| Grained | 1 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 516248 | 9.685 |
|  | 2 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 1034293 | 9.669 |
|  | 4 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 1834077 | 10.905 |
|  | 8 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 2002477 | 20.033 |
| STM | 1 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 513468 | 9.738 |
|  | 2 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 614278 | 16.279 |
|  | 4 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 953977 | 20.965 |
|  | 8 | 0 | 0 | 200 | 0.667 | 0.333 | 10000 | 5 | 911795 | 43.871 |
|  |  |  |  |  |  |  |  |  |  |  |

# Java

# on David's pc . from eclipse

**Details:** 4 processors. Intel(R) Core(TM) i5-3470CPU @ 3.20GHz to turbo 3.60Ghz

4 threads in total - no hyper threads

Test is run on 10 lists in total, each threads does an update/remove for 7 given lists.

An array of size 600 is spread equally by 3 threads.

First run all updates then all removes.

|  |  |
| --- | --- |
| Type | Total runtime(ms) |
| Global | 1433 |
| Grained | 1224 |
| Stm | 1548 |
| Stm improved |  |