
gobmk-defaults Simulation Results

Number of reference types:

| | | | |
|------------------|---|-------------|----------|
| Number of reads | = | 1922316435 | [19.22%] |
| Number of writes | = | 915303047 | [9.15%] |
| Number of inst | = | 7162380518 | [71.62%] |
| Total | = | 10000000000 | |

Total cycles for all activities:

| | | | |
|-------------------|---|-------------|----------|
| Cycles for reads | = | 19272524246 | [24.88%] |
| Cycles for writes | = | 14663275601 | [18.93%] |
| Cycles for inst | = | 43519641089 | [56.19%] |
| Total time | = | 77455440936 | |

Average cycles per activity:

| | | |
|-------|---|-------|
| Read | = | 10.03 |
| Write | = | 16.02 |
| Inst | = | 6.08 |

Ideal: Exec. Time = 17162380518; CPI = 2.4

Ideal mis-aligned: Exec. Time = 25198023284; CPI = 3.52

Memory level: L1i

| | | | |
|--------|---|-------------|----------|
| Hits | = | 11735764313 | [96.41%] |
| Misses | = | 437448120 | [3.59%] |
| Total | = | 12173212433 | |

Kickouts = 437447864, Dirty kickouts = 0, Transfers = 437448120

Memory level: L1d

| | | | |
|--------|---|------------|----------|
| Hits | = | 3818513808 | [94.71%] |
| Misses | = | 213310431 | [5.29%] |
| Total | = | 4031824239 | |

Kickouts = 213310175, Dirty kickouts = 118587278, Transfers = 213310431

Memory level: L2

| | | | |
|--------|---|-----------|----------|
| Hits | = | 512333089 | [66.59%] |
| Misses | = | 257012740 | [33.41%] |
| Total | = | 769345829 | |

Kickouts = 257012228, Dirty kickouts = 67734865, Transfers = 257012740

Cost analysis:

| | | |
|----------------|---|-------|
| L1i cache cost | = | \$200 |
| L1d cache cost | = | \$200 |
| L2 cache cost | = | \$50 |
| Memory cost | = | \$75 |
| Total cost | = | \$525 |