
astar-All-FA Simulation Results

Number of reference types:

| | | | |
|------------------|---|-------------|----------|
| Number of reads | = | 2549106849 | [25.49%] |
| Number of writes | = | 626305991 | [6.26%] |
| Number of inst | = | 6824587160 | [68.25%] |
| Total | = | 10000000000 | |

Total cycles for all activities:

| | | | |
|-------------------|---|-------------|----------|
| Cycles for reads | = | 18015408791 | [45.63%] |
| Cycles for writes | = | 10066753018 | [25.50%] |
| Cycles for inst | = | 11395359437 | [28.87%] |
| Total time | = | 39477521246 | |

Average cycles per activity:

| | | |
|-------|---|-------|
| Read | = | 7.07 |
| Write | = | 16.07 |
| Inst | = | 1.67 |

Ideal: Exec. Time = 16824587160; CPI = 2.47

Ideal mis-aligned: Exec. Time = 23929686467; CPI = 3.51

Memory level: L1i

| | | | |
|----------|---|--|-----------|
| Hits | = | 11394307253 | [100.00%] |
| Misses | = | 7620 | [0.00%] |
| Total | = | 11394314873 | |
| Kickouts | = | 7364, Dirty kickouts = 0, Transfers = 7620 | |

Memory level: L1d

| | | | |
|----------|---|---|----------|
| Hits | = | 4292364560 | [96.28%] |
| Misses | = | 165807892 | [3.72%] |
| Total | = | 4458172452 | |
| Kickouts | = | 165807636, Dirty kickouts = 71377025, Transfers = 165807892 | |

Memory level: L2

| | | | |
|----------|---|---|----------|
| Hits | = | 155431402 | [65.53%] |
| Misses | = | 81761135 | [34.47%] |
| Total | = | 237192537 | |
| Kickouts | = | 81760623, Dirty kickouts = 52330695, Transfers = 81761135 | |

Cost analysis:

| | | |
|----------------|---|--------|
| L1i cache cost | = | \$1800 |
| L1d cache cost | = | \$1800 |
| L2 cache cost | = | \$500 |
| Memory cost | = | \$75 |
| Total cost | = | \$4175 |