Configuration: config/l1-8way_32

```
------------------------------------------------------
                 Simulation Results
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Memory System:
     D Cache: Size = 8192,   Associativity = 8,   Block size = 32
     I Cache: Size = 8192,   Associativity = 8,   Block size = 32
     L2 Unified Cache: Size = 32768,    Associativity = 1,   Block size = 64
     Main Memory: Ready time = 30,   Chunksize = 32,     Chunktime = 15,
```

Execution Time = 31373776131,   Total Traces Read = 10000000109
Flush time = 265606888
Total time (Execution Time + Flush Time) = 31639383019

Number of Reference Types: [Percentage]
     Reads   =   1907768017   [19.1%]
     Writes =   727693598   [7.3%]
     Inst.   =   7364538494   [73.6%]
     Total   =   10000000109

Total Cycles for Activities: [Percentage]
     Reads   =   6432848668   [20.5%]
     Writes =   3900349811   [12.4%]
     Inst.   =   21040577652   [67.1%]
     Total   =   31373776131

Average Cycles for Activities:
     Reads = 3.4,   Writes = 5.4,   Instructions = 4.3

Ideal: Execution Time = 17364538603;   CPI = 2.4
Ideal Misaligned Execution Time = 23214492795; CPI = 3.2

Memory Level: L1 Instruction Cache
     Hit Count = 12325046810,   Miss Count = 227328982
     Total Requests = 12552375792
     Hit Rate: 98.2%,   Miss Rate = 1.8%
     Kickouts = 220636066,   Dirty-kickouts = 0,   Transfers = 227328982
     Flush Kickouts = 0

Memory Level: L1 Data Cache
     Hit Count = 3214036349,   Miss Count = 83542160
     Total Requests = 3297578509
     Hit Rate: 97.5%,   Miss Rate = 2.5%
     Kickouts = 39073920,   Dirty-kickouts = 37731873,   Transfers = 83542160
     Flush Kickouts = 3374743

Memory Level: L2 Cache
     Hit Count = 240078550,   Miss Count = 111899208
     Total Requests = 351977758
     Hit Rate: 68.2%,   Miss Rate = 31.8%
     Kickouts = 80178992,   Dirty-kickouts = 20058088,   Transfers = 111899208
     Flush Kickouts = 2608082

System Costs:
     L1 Cache Costs (Instruction Cache $800 + Data Cache $800) = $1600
     L2 Cache Costs: $50
     Main Memory Costs: $175
     Total Memory Cost: $1825

Flushes = 26315, Invalidates = 25090467