Configuration: config/l2-big_8

                  Simulation Results

Memory System:
     D Cache: Size = 8192,   Associativity = 2,   Block size = 32
     I Cache: Size = 8192,   Associativity = 2,   Block size = 32
     L2 Unified Cache: Size = 65536,   Associativity = 1,   Block size = 64
     Main Memory: Ready time = 30,   Chunksize = 8,   Chunktime = 15,

Execution Time = 71452869078,   Total Traces Read = 10000000076
Flush time = 1681323965
Total time (Execution Time + Flush Time) = 73134193043

Number of Reference Types: [Percentage]
     Reads   =   2011922989   [20.1%]
     Writes =   1239405364   [12.4%]
     Inst.   =   6748671723   [67.5%]
     Total   =   10000000076

Total Cycles for Activities: [Percentage]
     Reads   =   32337451391   [45.3%]
     Writes =   7535764257   [10.5%]
     Inst.   =   31579653430   [44.2%]
     Total   =   71452869078

Average Cycles for Activities:
     Reads = 16.1,   Writes = 6.1,   Instructions = 10.6

Ideal: Execution Time = 16748671799;   CPI = 2.5
Ideal Misaligned Execution Time = 24145770580; CPI = 3.6

Memory Level: L1 Instruction Cache
     Hit Count = 11116977283,   Miss Count = 342507790
     Total Requests = 11459485073
     Hit Rate: 97.0%,   Miss Rate = 3.0%
     Kickouts = 335834687,   Dirty-kickouts = 0,   Transfers = 342507790
     Flush Kickouts = 0

Memory Level: L1 Data Cache
     Hit Count = 5674788018,   Miss Count = 262825766
     Total Requests = 5937613784
     Hit Rate: 95.6%,   Miss Rate = 4.4%
     Kickouts = 151921331,   Dirty-kickouts = 104167539,   Transfers = 262825766
     Flush Kickouts = 2996178

Memory Level: L2 Cache
     Hit Count = 498915408,   Miss Count = 213581865
     Total Requests = 712497273
     Hit Rate: 70.0%,   Miss Rate = 30.0%
     Kickouts = 143038427,   Dirty-kickouts = 46482947,   Transfers = 213581865
     Flush Kickouts = 8707824

System Costs:
     L1 Cache Costs (Instruction Cache $400 + Data Cache $400) = $800
     L2 Cache Costs: $100
     Main Memory Costs: $75
     Total Memory Cost: $975

Flushes = 26315, Invalidates = 37469087