Configuration: config/all-fa-l2big_8

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                Simulation Results
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Memory System:
     D Cache: Size = 8192,  Associativity = 256,    Block size = 32
     I Cache: Size = 8192,  Associativity = 256,    Block size = 32
     L2 Unified Cache: Size = 65536,    Associativity = 1024,   Block size = 64
     Main Memory: Ready time = 30,  Chunksize = 8,  Chunktime = 15,

Execution Time = 102672509541,  Total Traces Read = 16506492546
Flush time = 2911539252
Total time (Execution Time + Flush Time) = 105584048793

Number of Reference Types:  [Percentage]
     Reads   =   3526260463        [21.4%]
     Writes  =    492653573        [3.0%]
     Inst.   =  12487578510        [75.7%]
     Total   =  16506492546

Total Cycles for Activities:    [Percentage]
     Reads   =  84717112979        [82.5%]
     Writes  =   1178780956        [1.1%]
     Inst.   =  16776615606        [16.3%]
     Total   = 102672509541

Average Cycles for Activities:
    Reads = 24.0,   Writes = 2.4,   Instructions = 8.2

Ideal: Execution Time = 28994071056;    CPI = 2.3
Ideal Misaligned Execution Time = 35948584560;  CPI = 2.9

Memory Level: L1 Instruction Cache
    Hit Count = 16620435112,    Miss Count = 953941
    Total Requests = 16621389053
    Hit Rate: 100.0%,    Miss Rate = 0.0%
    Kickouts = 2003,    Dirty-kickouts = 0,    Transfers = 953941
    Flush Kickouts = 0

Memory Level: L1 Data Cache
    Hit Count = 6262690810,    Miss Count = 576926187
    Total Requests = 6839616997
    Hit Rate: 91.6%,    Miss Rate = 8.4%
    Kickouts = 332698276,    Dirty-kickouts = 233107527,    Transfers = 576926187
    Flush Kickouts = 4636927

Memory Level: L2 Cache
    Hit Count = 526074347,   Miss Count = 289550235
    Total Requests = 815624582
    Hit Rate: 64.5%,     Miss Rate = 35.5%
    Kickouts = 132847279,    Dirty-kickouts = 113257253,    Transfers = 289550235
    Flush Kickouts = 17733579


System Costs:
     L1 Cache Costs (Instruction Cache $1800 + Data Cache $1800) = $3600
     L2 Cache Costs: $1100
     Main Memory Costs: $75
     Total Memory Cost: $4775

Flushes = 43438, Invalidates = 55516499

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