

Configuration: config/default\_32

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Simulation Results  
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Memory System:

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

Execution Time = 37060528633, Total Traces Read = 10000000109

Flush time = 476913282

Total time (Execution Time + Flush Time) = 37537441915

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	=	9946681516	[26.8%]
Writes	=	4812334619	[13.0%]
Inst.	=	22301512498	[60.2%]
Total	=	37060528633	

Average Cycles for Activities:

Reads = 5.2, Writes = 6.6, Instructions = 5.0

Ideal: Execution Time = 17364538603; CPI = 2.4

Ideal Misaligned Execution Time = 23214492795; CPI = 3.2

Memory Level: L1 Instruction Cache

Hit Count = 12314455056, Miss Count = 237920736  
Total Requests = 12552375792  
Hit Rate: 98.1%, Miss Rate = 1.9%  
Kickouts = 231418878, Dirty-kickouts = 0, Transfers = 237920736  
Flush Kickouts = 0

Memory Level: L1 Data Cache

Hit Count = 3107721819, Miss Count = 189856690  
Total Requests = 3297578509  
Hit Rate: 94.2%, Miss Rate = 5.8%  
Kickouts = 109219257, Dirty-kickouts = 74393184, Transfers = 189856690  
Flush Kickouts = 2737832

Memory Level: L2 Cache

Hit Count = 357568698, Miss Count = 147339744  
Total Requests = 504908442  
Hit Rate: 70.8%, Miss Rate = 29.2%  
Kickouts = 106105637, Dirty-kickouts = 29544751, Transfers = 147339744  
Flush Kickouts = 4091163

System Costs:

L1 Cache Costs (Instruction Cache \$200 + Data Cache \$200) = \$400  
L2 Cache Costs: \$50  
Main Memory Costs: \$175  
Total Memory Cost: \$625

Flushes = 26315, Invalidates = 24434543  
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