
omnetpp-mem32_All-2way Simulation Results

Number of reference types:

Number of reads	=	2009285423	[20.09%]
Number of writes	=	1237898222	[12.38%]
Number of inst	=	6752816355	[67.53%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	27089750968	[42.96%]
Cycles for writes	=	6607499064	[10.48%]
Cycles for inst	=	29361434731	[46.56%]
Total time	=	63058684763	

Average cycles per activity:

Read	=	13.48
Write	=	5.34
Inst	=	9.34

Ideal: Exec. Time = 16752816355; CPI = 2.48

Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94

Memory level: L1i

Hits	=	11123145966	[97.05%]
Misses	=	338100123	[2.95%]
Total	=	11461246089	
Kickouts	=	338099867, Dirty kickouts = 0, Transfers = 338100123	

Memory level: L1d

Hits	=	5669434506	[95.62%]
Misses	=	259457110	[4.38%]
Total	=	5928891616	
Kickouts	=	259456854, Dirty kickouts = 105849456, Transfers = 259457110	

Memory level: L2

Hits	=	453267900	[64.44%]
Misses	=	250138789	[35.56%]
Total	=	703406689	
Kickouts	=	250138277, Dirty kickouts = 60980869, Transfers = 250138789	

Cost analysis:

L1i cache cost	=	\$400
L1d cache cost	=	\$400
L2 cache cost	=	\$100
Memory cost	=	\$175
Total cost	=	\$1075