
omnetpp-L2-Big 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	=	29092369548	[44.19%]
Cycles for writes	=	6988619336	[10.62%]
Cycles for inst	=	29748059303	[45.19%]
Total time	=	65829048187	

Average cycles per activity:

Read	=	14.48
Write	=	5.65
Inst	=	4.41

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	=	508143677	[72.24%]
Misses	=	195263012	[27.76%]
Total	=	703406689	
Kickouts	=	195261988, Dirty kickouts = 49889384, Transfers = 195263012	

Cost analysis:

L1i cache cost	=	\$400
L1d cache cost	=	\$400
L2 cache cost	=	\$50
Memory cost	=	\$75
Total cost	=	\$925