
astar-All-4way Simulation Results

Number of reference types:

Number of reads	=	2549106849	[25.49%]
Number of writes	=	626305991	[6.26%]
Number of inst	=	6824587160	[68.25%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	23126240668	[50.79%]
Cycles for writes	=	11000753615	[24.16%]
Cycles for inst	=	11406716641	[25.05%]
Total time	=	45533710924	

Average cycles per activity:

Read	=	9.07
Write	=	17.56
Inst	=	1.67

Ideal: Exec. Time = 16824587160; CPI = 2.47

Ideal mis-aligned: Exec. Time = 23929686467; CPI = 3.51

Memory level: L1i

Hits	=	11394220237	[100.00%]
Misses	=	94636	[0.00%]
Total	=	11394314873	
Kickouts	=	94380, Dirty kickouts = 0, Transfers = 94636	

Memory level: L1d

Hits	=	4274666890	[95.88%]
Misses	=	183505562	[4.12%]
Total	=	4458172452	
Kickouts	=	183505306, Dirty kickouts = 75334151, Transfers = 183505562	

Memory level: L2

Hits	=	145435283	[56.17%]
Misses	=	113499066	[43.83%]
Total	=	258934349	
Kickouts	=	113498554, Dirty kickouts = 59270555, Transfers = 113499066	

Cost analysis:

L1i cache cost	=	\$600
L1d cache cost	=	\$600
L2 cache cost	=	\$150
Memory cost	=	\$75
Total cost	=	\$1425