

# DRAM\_030720

Nodes 6,000,000  
Edges 16,000,000

Speed column are the speed result using the stream benchmark

Predicted time is sum in MB divided by speed.

8\*50000\*nod

Measured time is the the result given by running the program.

Speed res. Are calculated by taking "sum in MB" divided by Total time

## 1 Data generation per analysing

DRAM Measured times

Core	Speed	Total time	Pred.it tim	Iteration time	It speed	Pred.A. time	Analyze time	Ana. Speed
1	11038	2,398.79		1,984.98	30,227.00	196.94	413.80	5799.84
2	21202	1,221.71		1,011.43	59,321.91	99.87	210.28	11413.30
3	34326	837.09		693.71	86,490.95	65.31	143.38	16738.81
4	43983	644.41		534.89	112,171.75	49.57	109.52	21914.78
5	48136	529.72		440.85	136,099.31	44.45	88.87	27005.82
6	50571	454.23		379.04	158,295.56	42.17	75.19	31920.01
7	52636	409.54		344.16	174,336.53	40.16	65.37	36711.60
8	55609	376.72		318.84	188,182.99	37.65	57.88	41462.43
9	58007	351.99		299.84	200,108.33	35.89	52.15	46020.41
10	61089	332.09		284.57	210,843.73	34.16	47.52	50506.84
11	61309	315.16		271.27	221,180.03	34.08	43.89	54685.26
12	63383	303.60		262.78	228,330.98	33.11	40.82	58789.61
13	64146	294.53		256.38	234,025.46	32.85	38.15	62911.80
14	64456	289.53		253.67	236,531.74	32.90	35.86	66923.01
15	64806	286.20		252.21	237,892.40	32.87	33.99	70612.73
16	65477	285.66		252.92	237,228.10	32.53	32.74	73310.00

Core copy add

1	11038	12186.7
2	21202	24031.7
3	34326	36747.8
4	43983	48412.3
5	48136	53998.1
6	50571	56911.1
7	52636	59765.7
8	55609	63738.4
9	58007	66878.4
10	61089	70249.5
11	61309	70420.5
12	63383	72481.2
13	64146	73053.9
14	64456	72955
15	64806	73025.9
16	65477	73780.1

es

n	50000
dwp_size	1001106
nodes	1001107
crs_row_ptr	4000883
bytes	8

nodes  
etter while  
227 Nodes\*2

241 nodes  
242 2\*edges  
243 4\*edges  
246 nodes  
248 nodes

252 Nodes\*2  
253 Nodes\*2

9\*nodes  
6\*edges\*nodes