

# DRAM\_280820

Nodes 1,000,000  
Edges 16,000,000

Speed column are the speed result using the stream benchmark  
Predicted time is sum in MB divided by speed.  
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	Total time	Pred.it time	Iteration tim	It speed	Pred.A. time	Analyze tim	Ana. Speed
1		984.54		#DIV/0!	35.16		#DIV/0!
2		479.55		#DIV/0!	17.13		#DIV/0!
3		309.10		#DIV/0!	11.04		#DIV/0!
4		233.00		#DIV/0!	8.32		#DIV/0!
5		209.29		#DIV/0!	7.47		#DIV/0!
6		197.51		#DIV/0!	7.05		#DIV/0!
7		188.23		#DIV/0!	6.72		#DIV/0!
8		178.71		#DIV/0!	6.38		#DIV/0!
9		170.71		#DIV/0!	6.10		#DIV/0!
10	432.21	164.73	425.02	26,351.89	5.88	7.20	55572.41
11	425.19	160.21	418.23	26,779.32	5.72	6.96	57472.91
12	392.81	157.99	386.18	29,002.12	5.64	6.63	60334.10
13	360.36	155.25	354.06	31,633.26	5.54	6.30	63466.49
14	334.21	154.22	328.54	34,090.51	5.51	5.67	70504.12
15	322.58	153.90	317.05	35,325.64	5.50	5.53	72279.86
16	303.30	154.03	298.09	37,573.16	5.50	5.22	76635.47

	Copy	Scale	Add	Triad
1	10246.2	10655.4	11375.9	11670.8
2	21385.5	22607.1	23355.4	23357.4
3	33873.2	35614.9	36234.6	36252.1
4	43918.6	44646.7	48068.3	48211.1
5	47845.4	48478.9	53515.3	53850.2
6	50371.8	51057.8	56706.6	57026.2
7	52709.6	53201.9	59501.8	60166.8
8	54557.4	55084.9	62669.8	63055.3
9	56809.8	57204.5	65609.5	65863.6
10	58841.1	59371.6	67990.5	68135.4
11	60693.6	61119.7	69909.9	70048.6
12	62003.5	62422.2	70890.6	71067.3
13	63346.1	63676.7	72143.5	72214.9
14	64159.5	64428	72623.9	72648
15	64617.8	64782.5	72773.6	72747.3
16	64774.4	64950.6	72711.5	72800.4

# DRAM\_280820

Nodes 1,000,000  
Edges 4,000,000

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## 1 Data generation per analysing

DRAM	Measured times						
Core	Total time	Pred.it time	Iteration tim	It speed	Pred.A. time	Analyze tim	Ana. Speed
1	1400.61	316.46	1341.88	2,682.81	35.16	58.73	6810.83
2	865.94	154.14	833.46	4,319.34	17.13	32.48	12315.83
3	551.06	99.35	530.60	6,784.81	11.04	20.46	19547.79
4	446.05	74.89	430.54	8,361.50	8.32	15.51	25790.32
5	375.97	67.27	363.45	9,905.21	7.47	12.52	31937.46
6	335.75	63.48	325.30	11,066.82	7.05	10.45	38283.13
7	307.48	60.50	298.42	12,063.58	6.72	9.06	44130.82
8	287.05	57.44	278.84	12,910.45	6.38	8.20	48753.48
9	274.58	54.87	266.99	13,483.59	6.10	7.59	52715.40
10	256.31	52.95	249.45	14,432.03	5.88	6.86	58269.83
11	246.38	51.49	240.07	14,995.53	5.72	6.31	63377.78
12	241.62	50.78	235.60	15,279.86	5.64	6.02	66459.27
13	244.98	49.90	239.09	15,057.35	5.54	5.90	67806.72
14	237.04	49.57	231.50	15,550.65	5.51	5.54	72229.90
15	229.52	49.47	224.29	16,050.55	5.50	5.23	76460.02
16	223.16	49.51	218.18	16,500.18	5.50	4.98	80385.27

	Copy	Scale	Add	Triad
1	10246.2	10655.4	11375.9	11670.8
2	21385.5	22607.1	23355.4	23357.4
3	33873.2	35614.9	36234.6	36252.1
4	43918.6	44646.7	48068.3	48211.1
5	47845.4	48478.9	53515.3	53850.2
6	50371.8	51057.8	56706.6	57026.2
7	52709.6	53201.9	59501.8	60166.8
8	54557.4	55084.9	62669.8	63055.3
9	56809.8	57204.5	65609.5	65863.6
10	58841.1	59371.6	67990.5	68135.4
11	60693.6	61119.7	69909.9	70048.6
12	62003.5	62422.2	70890.6	71067.3
13	63346.1	63676.7	72143.5	72214.9
14	64159.5	64428	72623.9	72648
15	64617.8	64782.5	72773.6	72747.3
16	64774.4	64950.6	72711.5	72800.4