DRAM

The sum in mb is the total amout of MB the program loads for arrays before it ends
sum in mb 4802492.82

Speed coulumn 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			
Cores	Speed	Predicted time	Total time	Iteration time	Analyze time	Speed Res.
1	11038	435.09	449.906961	388.983972	60.922989	10674.4
2	21202	226.51	246.030796	212.383993	33.646803	19519.9
3	34326	139.91	173.816023	151.697367	22.118656	27629.7
4	43983	109.19	137.741346	121.18954	16.551806	34866.0
5	48136	99.77	115.889799	102.478273	13.411526	41440.2
6	50571	94.97	101.826506	90.493629	11.332877	47163.5
7	52636	91.24	92.47383	82.510421	9.963409	51933.5
8	55609	86.36	86.601156	77.53447	9.066686	55455.3
9	58007	82.79	80.762937	72.623232	8.139705	59464.1
10	61089	78.61	76.268689	68.863472	7.405217	62968.1
11	61309	78.33	72.861529	66.029367	6.832162	65912.6
12	63383	75.77	71.826794	65.339453	6.487341	66862.1
13	64146	74.87	70.487576	64.315046	6.17253	68132.5
14	64456	74.51	68.916222	63.121421	5.794801	69686.0
15	64806	74.11	67.58736	62.1002	5.48716	71056.1
16	65477	73.35	66.200909	60.969203	5.231706	72544.2

3 Data generation per analysing
sum in mb 3202139.618

DRAM			Measured times			
Cores	Speed	Predicted time	Total time	Iteration time	Analyze time	Speed Res.
1	11038	290.10	398.237288	377.634811	20.602477	8040.8
2	21202	151.03	217.824526	206.769962	11.054564	14700.5
3	34326	93.29	156.946011	149.538931	7.40708	20402.8
4	43983	72.80	125.474982	119.779017	5.695965	25520.1
5	48136	66.52	106.148341	101.578109	4.570232	30166.6
6	50571	63.32	93.889318	89.977062	3.912256	34105.5
7	52636	60.84	85.934773	82.521694	3.413079	37262.4
8	55609	57.58	80.255693	77.157553	3.09814	39899.2
9	58007	55.20	75.834243	73.034914	2.79933	42225.5
10	61089	52.42	71.809044	69.262434	2.54661	44592.4
11	61309	52.23	69.242235	66.886007	2.356228	46245.5
12	63383	50.52	68.794495	66.540433	2.254061	46546.5
13	64146	49.92	67.484528	65.345116	2.139412	47450.0
14	64456	49.68	65.913741	63.900197	2.013544	48580.8
15	64806	49.41	64.21881	62.304362	1.914448	49863.0
16	65477	48.90	63.170036	61.34703	1.823006	50690.8

n	50000
dwp_size	1001106
nodes	1001107
crs_row_ptr	4000883
bytes	8

(nodes+n*(dwp_size+crs_row_ptr+nodes))*bytes*2*0.000001
sum in mb 4802492.82