Result 2

Result of running the data analyzing two times

Coulumn 1	Total amount of cores
Coulumn 2	Cores used on data generation
Coulumn 3	Cores used on data analyzing
iter time	Time spent on genereating data and doing nothing
iter idle t.	Time Data generating threads are spent doing nothing
analyze t	Time doing data transfer, analyzing and doing nothing
ana. Idle t.	Time analyze threads are spent doing nothing
transfer t.	Time analyze threads spent on transfering data
analyze	Time analyze threads spent on analyzing data
total time	Total time from the program split in two until it ended.

1 Data generation per analysing

			iter time	iter idle t.	analyze t	ana. Idle t.	transfer t.	analyze	total time
16	15	1	93.886451	63.214263	93.887651	0.003237	32.985211	60.87039	93.887779
16	14	2	47.159258	17.607565	47.159849	0.00655	16.554404	30.562314	47.159974
16	13	3	33.366493	0.22977	33.367104	1.522755	11.173513	20.631497	33.36723
16	12	4	32.334919	0.012645	32.335384	8.556164	8.354406	15.381336	32.335503
16	11	5	33.314815	0.030191	33.315185	13.950541	6.804166	12.505744	33.31526
16	10	6	34.419033	0.024827	34.419341	17.884048	5.793461	10.675948	34.419461
16	9	7	36.557883	0.047121	36.558148	22.56785	4.949972	8.96898	36.558318
16	8	8	36.66816	0.040713	36.668394	24.272928	4.364913	7.948836	36.668513
16	7	9	40.509677	0.009779	40.509888	29.471072	3.800966	7.144675	40.510009
16	6	10	49.144621	0.010076	49.144902	38.850361	3.550238	6.639318	49.145022
16	5	11	50.911652	0.010169	50.911825	41.454885	3.233703	6.107229	50.911955
16	4	12	56.595511	0.012393	56.595668	47.753267	2.993437	5.726166	56.595788

DRAM only

1	147.287984	37.894315	185.1823
2	84.886952	20.006957	104.893909
3	63.989376	13.559895	77.549271
4	51.271593	10.380971	61.652564
5	46.680786	8.544509	55.225295
6	45.265851	7.294047	52.559899
7	37.333993	6.381958	43.715952
8	34.886421	5.843791	40.730213
9	35.007662	5.345782	40.353444
10	33.031599	4.890205	37.921804
11	32.553523	4.633463	37.186986
12	32.432925	4.508284	36.941208
13	33.435717	4.30605	37.741767
14	29.610953	4.128853	33.739806
15	30.606733	3.990943	34.597676
16	26.883291	3.907947	30.791238

2 Data generation per analysing

			iter time	iter idle t.	analyze t	ana. Idle t.	transfer t.	analyze	total time
16	15	1	47.140573	16.445983	47.14177	0.00438	16.532794	30.589879	47.141891
16	14	2	29.778897	0.008053	29.77983	6.170354	8.312274	15.277974	29.779957
16	13	3	33.055992	0.010175	33.056608	17.209708	5.573816	10.255583	33.056729
16	12	4	32.52427	0.009027	32.524738	20.642205	4.190274	7.669499	32.524861
16	11	5	33.685192	0.008845	33.685558	24.124669	3.359959	6.173688	33.685678

16	10	6	34.80263	0.008848	34.802938	26.802271	2.809703	5.157937	34.803016
16	9	7	36.622014	0.008632	36.622279	29.641865	2.464197	4.479312	36.622401
16	8	8	37.016661	0.008728	37.016892	30.825711	2.173987	3.975829	37.01697
16	7	9	40.540993	0.00824	40.541202	34.961036	1.945202	3.587653	40.541323
16	6	10	49.359647	0.008095	49.359824	44.071555	1.824308	3.410633	49.35995
16	5	11	51.913507	0.009293	51.913677	47.185005	1.623892	3.04268	51.913751
16	4	12	57.641923	0.007998	57.642081	53.073113	1.549176	2.954535	57.642202

DRAM only

1	146.417592	18.73703	165.154622
2	85.969524	9.962936	95.93246
3	64.787712	6.84778	71.635492
4	51.704174	5.264957	56.969131
5	46.867834	4.307537	51.175371
6	45.076844	3.658081	48.734925
7	37.437602	3.211964	40.649566
8	34.845937	2.924839	37.770776
9	35.08202	2.682484	37.764504
10	33.242835	2.496835	35.73967
11	32.680698	2.376009	35.056707
12	32.475129	2.30705	34.782179
13	33.166974	2.219832	35.386806
14	29.607111	2.134495	31.741606
15	30.752974	2.073255	32.826228
16	26.70659	2.029808	28.736398

3 Data generation per analysing

			iter time	iter idle t.	analyze t	ana. Idle t.	transfer t.	analyze	total time
16	15	1	31.720212	1.069891	31.722059	0.007432	11.173297	20.531872	31.722187
16	14	2	29.593245	0.007108	29.594214	13.76375	5.598116	10.217927	29.594338
16	13	3	33.167099	0.007722	33.167748	22.523485	3.750217	6.882298	33.167871
16	12	4	32.609286	0.008148	32.609778	24.66626	2.803568	5.124654	32.609852
16	11	5	33.613706	0.007625	33.614109	26.871331	2.35693	4.367852	33.614228
16	10	6	35.048667	0.007772	35.049011	29.691319	1.888077	3.447965	35.049084
16	9	7	37.147719	0.007466	37.148016	32.507055	1.631405	2.985359	37.148142
16	8	8	37.175636	0.008427	37.175899	33.018536	1.472574	2.656899	37.176026
16	7	9	40.916915	0.007844	40.917149	37.179315	1.319052	2.386915	40.917275
16	6	10	49.848577	0.007947	49.848792	46.330391	1.225627	2.256226	49.84892
16	5	11	52.004757	0.008157	52.004953	48.809304	1.110015	2.046228	52.005074
16	4	12	57.615745	0.007963	57.61593	54.57829	1.032432	1.963088	57.616052

DRAM only

1	147.297511	12.631567	159.929078
2	86.846262	6.74845	93.594711
3	65.613479	4.606882	70.220361
4	51.720214	3.524302	55.244517
5	46.494455	2.890682	49.385137
6	45.194182	2.459538	47.65372
7	37.842295	2.203592	40.045887
8	35.157243	1.990589	37.147832
9	35.024256	1.832098	36.856354
10	33.411447	1.701374	35.112821
11	32.433096	1.616585	34.049682

12	31.467615	1.543725	33.01134
13	33.215616	1.530082	34.745698
14	29.464148	1.474499	30.938647
15	30.391737	1.433235	31.824972
16	26.65652	1.4174	28.07392