

Result 1

Result of running the data analyzing one time

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 transferring 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	63.774136	33.153764	63.774729	0.007924	33.08892	30.644751	63.774854
16	14	2	32.228804	2.290728	32.229093	0.146922	16.828418	15.212627	32.229221
16	13	3	32.87938	0.011672	32.879799	11.434457	11.107796	10.299077	32.879921
DRAM only									
1			147.059522		18.895425				165.954947
2			85.595775		10.222581				95.818356
3			64.837584		6.973404				71.810988
4			51.143108		5.392488				56.535596
5			45.94926		4.40257				50.35183
6			44.835204		3.731912				48.567116
7			37.267453		3.299916				40.567369
8			35.065533		2.985745				38.051278
9			34.584824		2.703729				37.288553
10			32.946245		2.503163				35.449408
11			32.344636		2.369728				34.714364
12			32.23626		2.307712				34.543972
13			33.094434		2.214527				35.308961
14			29.36735		2.132836				31.500186
15			30.502375		2.064502				32.566877
16			26.439612		2.044131				28.483743

2 Data generation per analysing

16	15	1	32.156632	1.53548	32.157258	0.014379	16.706062	15.419491	32.157391
16	14	2	29.584929	0.00797	29.585561	13.529693	8.310509	7.726097	29.585683
16	13	3	33.054852	0.010428	33.055265	22.290436	5.572658	5.171418	33.055395
DRAM only									
1			151.79142		9.428266				161.219686
2			86.863533		5.15233				92.015863
3			65.34255		3.502055				68.844605
4			51.765378		2.718191				54.483569
5			46.684429		2.227194				48.911623
6			44.453898		1.891009				46.344907
7			37.524579		1.671761				39.19634
8			34.958548		1.529627				36.488175
9			34.950545		1.395364				36.345909
10			33.194371		1.300907				34.495278
11			32.607569		1.241328				33.848898
12			31.507308		1.181199				32.688507

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13	32.985236	1.17375	34.158986
14	29.436987	1.133038	30.570025
15	30.325833	1.099024	31.424857
16	26.650992	1.100739	27.751731

3 Data generation per analysing

16	15	1	30.495053	0.006974	30.495112	9.007976	11.141049	10.336828	30.495235
16	14	2	29.553502	0.006907	29.554172	18.810018	5.574449	5.156457	29.554296
16	13	3	33.550769	0.008797	33.55125	26.368436	3.722171	3.445972	33.551372

DRAM only

1	145.579123	6.30258	151.881704
2	87.425295	3.42969	90.854985
3	65.420815	2.369422	67.790237
4	51.994118	1.864529	53.858647
5	46.850166	1.520274	48.37044
6	45.411724	1.310394	46.722118
7	37.679307	1.152272	38.831579
8	35.090467	1.055804	36.146271
9	35.548279	0.959383	36.507662
10	33.860452	0.901374	34.761826
11	32.254162	0.858524	33.112686
12	32.439846	0.849653	33.289499
13	32.975112	0.825841	33.800953
14	29.435607	0.80328	30.238887
15	30.437231	0.788686	31.225917
16	26.570444	0.789204	27.359648

4 Data generation per analysing

16	15	1	30.478204	0.006853	30.47949	14.221227	8.439829	7.81027	30.479616
16	14	2	29.577335	0.005975	29.578296	21.442362	4.210102	3.915674	29.578425
16	13	3	33.150473	0.007956	33.150889	27.764684	2.797467	2.577437	33.151013

DRAM only

16	26.436261	0.640629	27.07689
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5 Data generation per analysing

16	15	1	30.43053	0.007013	30.431813	17.430876	6.733382	6.260559	30.431933
16	14	2	29.412718	0.006325	29.413352	22.957974	3.344289	3.103055	29.413473
16	13	3	33.206415	0.016108	33.206864	28.881281	2.247607	2.068727	33.206993

DRAM only

16	26.405399	0.548388	26.953787
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10 Data generation per analysing

16	15	1	30.55715	0.005387	30.558436	24.04174	3.369886	3.143776	30.558563
16	14	2	29.462035	0.006086	29.46267	26.191903	1.690759	1.575427	29.462806
16	13	3	33.267246	0.005443	33.267672	31.100364	1.123605	1.036083	33.267807

DRAM only

16	26.862257	0.349666	27.211923
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15 Data generation per analysing

16	15	1	30.530183	0.005848	30.531503	26.193161	2.245236	2.09094	30.531629
16	14	2	29.553658	0.005942	29.554353	27.312866	1.156193	1.082175	29.55447
16	13	3	33.694833	0.005195	33.695287	32.250592	0.751729	0.689805	33.695418

DRAM only

Result 1

16			26.586078	0.30152					26.887598
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20 Data generation per analysing

16	15	1	30.192951	0.005102	30.194231	26.943542	1.684098	1.564847	30.194353
16	14	2	29.387218	0.006096	29.387854	27.767744	0.84072	0.777083	29.387975
16	13	3	32.945761	0.005326	32.946209	31.863599	0.563821	0.516491	32.946336

DRAM only

16			26.560617	0.263608					26.824225
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25 Data generation per analysing

16	15	1	30.189819	0.005975	30.191124	27.587953	1.346022	1.255664	30.191249
16	14	2	29.419433	0.005459	29.420075	28.119591	0.675268	0.62312	29.420202
16	13	3	33.229142	0.005867	33.229565	32.330012	0.474535	0.420042	33.229689

DRAM only

16			26.533558	0.256649					26.790207
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30 Data generation per analysing

16	15	1	30.167312	0.005182	30.168643	27.960872	1.148143	1.058441	30.168768
16	14	2	29.236194	0.004754	29.236868	28.093551	0.609359	0.532543	29.237035
16	13	3	32.940038	0.005664	32.940519	32.043623	0.53375	0.360486	32.940641

DRAM only

16			26.440725	0.229488					26.670213
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40 Data generation per analysing

16	15	1	30.09312	0.004608	30.094423	28.422893	0.873844	0.796494	30.094556
16	14	2	29.174707	0.005867	29.175451	28.260913	0.511612	0.401444	29.175527
16	13	3	33.087677	0.005758	33.088226	32.417742	0.398134	0.270639	33.08835

DRAM only

16			26.524371	0.215623					26.739994
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50 Data generation per analysing

16	15	1	30.227627	0.004836	30.228966	28.889123	0.699005	0.639969	30.229092
16	14	2	29.294485	0.005373	29.295259	28.557435	0.411123	0.325412	29.29538
16	13	3	32.997196	0.005288	32.997724	32.456389	0.321927	0.21783	32.997846

DRAM only

16			26.624634	0.209058					26.833692
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