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
14	1	13	439.734369	0.007981	439.734838	415.908402	8.627946	15.063944	439.734956
13	1	12	439.196273	0.007895	439.196775	413.579102	9.28725	16.203494	439.196895
12	1	11	438.595969	0.007325	438.596506	411.304562	9.872107	17.305361	438.596625
15	1	14	437.470579	0.007555	437.471014	414.968436	8.151369	14.20241	437.471137
16	1	15	435.642382	0.007387	435.642797	414.059189	7.788266	13.638508	435.642941
11	1	10	429.821357	0.008305	429.821965	401.065673	10.454359	18.199143	429.822088
10	1	9	426.575896	0.008475	426.576501	395.259446	11.426116	19.797823	426.576617
9	1	8	426.310879	0.007693	426.311601	391.479459	12.725939	22.022588	426.311735
8	1	7	424.783569	0.007704	424.784273	385.593245	14.374573	24.744239	424.784394
7	1	6	416.720003	0.007412	416.720831	372.981388	16.118392	27.558645	416.720995
6	1	5	413.824852	0.0076	413.82584	362.235436	19.059851	32.481315	413.825962
5	1	4	413.214605	0.007808	413.215834	349.296579	23.615656	40.259681	413.216046
3	1	2	412.983537	0.007796	412.986218	288.085909	46.123574	78.734843	412.986382
4	1	3	412.570975	0.007929	412.572616	328.401629	31.068609	53.062772	412.572786
2	1	1	409.547143	0.006515	409.547601	166.413656	87.890316	155.216978	409.547725
16	15	1	302.877831	236.056548	302.881326	0.006106	104.685589	198.157343	302.881489
15	14	1	301.998552	233.851476	302.001855	0.005209	104.485672	197.477475	302.002003
14	13	1	301.040286	231.57151	301.043746	0.005502	104.604349	196.383627	301.043901
13	12	1	300.338135	228.769377	300.341484	0.005335	104.695482	195.606581	300.341602
12	11	1	294.940355	222.326018	294.943724	0.005064	102.837167	192.068355	294.943841
11	10	1	286.799684	212.798842	286.803051	0.005643	100.407324	186.358735	286.803169
10	9	1	282.430039	207.180314	282.433401	0.005494	99.181837	183.214197	282.433561
9	8	1	280.000423	201.268793	280.003877	0.005587	98.853981	181.112954	280.004042
8	7	1	275.917295	190.879631	275.920791	0.00539	97.870824	178.015339	275.920914
7	6	1	265.845508	173.390807	265.848661	0.005486	94.646261	171.167397	265.848831
5	4	1	265.689355	139.182272	265.692678	0.005978	95.371321	170.285319	265.692847
6	5	1	260.38196	156.188182	260.385004	0.005281	93.188485	167.160974	260.385123
4	3	1	254.377621	98.450651	254.3808	0.006506	92.06655	162.27872	254.380968
3	2	1	250.883808	29.20168	250.886837	0.210947	91.848441	158.79855	250.88695
13	2	11	236.329499	0.00691	236.330032	208.299244	10.346843	17.569594	236.330147
14	2	12	236.161863	0.00769	236.162355	210.45233	9.323344	16.258352	236.162509
12	2	10	235.690671	0.006863	235.691258	205.657715	10.876266	19.052566	235.691373
15	2	13	234.798746	0.007136	234.79925	210.586152	8.863909	15.213704	234.799318
16	2	14	234.283383	0.007004	234.28386	211.345202	8.296104	14.496234	234.284022
11	2	9	230.760804	0.006931	230.761456	198.642475	11.964851	20.061906	230.761619
10	2	8	229.867896	0.006752	229.868623	194.736303	12.804345	22.246173	229.868791
9	2	7	229.365918	0.007322	229.366754	189.181335	15.012733	25.099624	229.366919
8	2	6	228.347267	0.006986	228.348202	182.902486	16.595885	28.786178	228.348335

7	2	5	224.646735	0.00658	224.647744	171.33257	19.998385	33.263637	224.647869
6	2	4	223.204503	0.007163	223.205743	158.882687	23.598192	40.67963	223.205904
4	2	2	222.918731	0.007032	222.921246	98.591263	44.518485	79.765108	222.921365
5	2	3	222.750855	0.008201	222.752552	137.077225	31.898903	53.735912	222.752667
12	3	9	168.219023	0.006752	168.219679	135.160825	11.990778	20.976287	168.21981
13	3	10	168.204433	0.007004	168.205029	137.692052	11.245495	19.164443	168.205097
14	3	11	167.900643	0.007155	167.901185	139.960546	10.283076	17.543423	167.901301
16	3	13	167.463524	0.007779	167.463991	142.860875	8.979551	15.484789	167.464119
15	3	12	167.440146	0.006758	167.440649	141.298739	9.502596	16.5147	167.440767
11	3	8	164.014777	0.006335	164.015526	128.237467	13.219296	22.474188	164.01569
10	3	7	163.612717	0.006049	163.61353	123.224333	14.96333	25.351563	163.613647
9	3	6	163.26969	0.006593	163.270583	117.21746	16.743883	29.245304	163.270697
8	3	5	162.375567	0.006811	162.376546	107.431895	20.311587	34.580375	162.376663
7	3	4	160.456106	0.009583	160.457571	94.655317	24.369356	41.386153	160.457651
5	3	2	159.116886	0.324485	159.11934	30.368245	47.240785	81.460178	159.119462
6	3	3	158.096306	0.006211	158.098063	74.019365	29.894946	54.142988	158.098188
16	14	2	152.352255	84.234274	152.354023	0.037519	52.467416	99.798978	152.354146
15	13	2	151.395985	81.659583	151.397715	0.007408	52.419606	98.920532	151.397782
14	12	2	150.903549	79.672505	150.905432	0.007284	52.49965	98.346075	150.905593
13	11	2	149.701785	76.583722	149.703543	0.006576	52.237144	97.409117	149.703658
12	10	2	147.845925	73.221539	147.84768	0.006917	51.86762	95.926577	147.847801
11	9	2	143.049566	67.392059	143.051302	0.007983	50.515668	92.480878	143.051416
10	8	2	139.94304	60.625647	139.944806	0.007629	49.806272	90.083855	139.944872
9	7	2	138.791297	52.745188	138.79296	0.007501	49.577145	89.16139	138.793077
8	6	2	136.881831	41.446724	136.883625	0.009081	49.151295	87.667951	136.883766
13	4	9	134.364496	0.007867	134.365152	100.589019	12.501419	21.181745	134.365273
14	4	10	134.32679	0.006772	134.327382	103.537193	11.395022	19.290877	134.327498
12	4	8	134.053018	0.008347	134.053753	96.720759	13.55617	23.692617	134.053914
16	4	12	133.973791	0.008124	133.974291	107.78217	9.545237	16.520427	133.974403
15	4	11	133.36372	0.008316	133.364265	105.106068	10.402661	17.742437	133.364434
11	4	7	131.81746	0.006683	131.818307	90.339116	15.469659	25.938149	131.818422
7	5	2	131.631966	25.49702	131.633491	0.009816	47.593313	83.972654	131.63361
9	4	5	130.581706	0.006257	130.582873	74.653674	20.708515	35.16687	130.582994
10	4	6	130.476288	0.007497	130.477178	83.069957	17.749747	29.593356	130.477339
8	4	4	129.617874	0.005987	129.619199	62.413733	23.897972	43.259773	129.61932
6	4	2	129.5841	5.25396	129.585622	0.005094	47.297764	82.219891	129.585735
7	4	3	126.912221	0.006449	126.913866	38.606887	32.599023	55.659269	126.914026
15	5	10	113.973515	0.007756	113.974105	83.370335	11.128381	19.370534	113.974222
12	5	7	113.825126	0.010252	113.825967	71.128687	15.809219	26.816701	113.826085
13	5	8	113.818124	0.007545	113.818861	75.880498	14.031698	23.819801	113.818929
14	5	9	113.640177	0.007	113.640832	79.35052	12.685227	21.508256	113.64099
16	5	11	113.124283	0.007445	113.124825	84.538296	10.530258	17.93777	113.124944
11	5	6	111.530585	0.006271	111.531583	63.537742	17.8496	30.081563	111.531702
9	5	4	109.882011	0.006181	109.883336	40.439129	25.547935	43.847148	109.8835
10	5	5	109.742039	0.005977	109.743119	54.390213	19.698793	35.59952	109.743282
8	5	3	109.519683	0.010187	109.52146	17.498045	33.83535	58.136997	109.52156
16	13	3	101.184581	31.940667	101.185959	0.010675	35.191466	65.925142	101.186095
12	6	6	100.519305	0.006784	100.520278	50.385156	17.853053	32.217175	100.520388
13	6	7	100.316445	0.007314	100.317284	55.703149	16.375154	28.162507	100.3174
15	12	3	99.798671	28.878459	99.799898	0.010237	34.915022	64.816221	99.800019
14	6	8	99.754893	0.007427	99.755623	61.184702	14.227025	24.259773	99.755739
15	6	9	99.502117	0.007097	99.502773	64.845097	12.801989	21.762049	99.502946
16	6	10	99.256961	0.008403	99.257557	67.840783	11.559105	19.750145	99.25772

14	11	3	99.087293	26.760225	99.088523	0.011207	34.843507	64.172511	99.088641
13	10	3	98.555772	24.126289	98.557008	0.00821	34.815843	63.674978	98.55712
11	6	5	97.875416	0.007744	97.876481	40.701391	20.960203	36.158354	97.876654
12	9	3	97.295115	20.306101	97.296379	0.010849	34.51383	62.71081	97.296543
10	6	4	96.297382	0.008485	96.29875	26.572677	25.352672	44.320736	96.298872
9	6	3	95.789179	0.02494	95.791049	4.435063	32.752707	58.558863	95.791168
11	8	3	94.612812	14.447463	94.614052	0.007726	33.807839	60.738542	94.614175
10	7	3	92.892532	6.058291	92.893657	0.008847	33.249416	59.577578	92.893774
13	7	6	90.508364	0.007198	90.509358	39.742116	18.53299	32.170102	90.509475
15	7	8	90.350329	0.006951	90.351083	52.102679	14.112724	24.050221	90.351199
14	7	7	90.304272	0.018984	90.305136	47.635958	15.248777	27.346334	90.305317
12	7	5	89.970359	0.009817	89.971529	28.345464	22.263618	39.305952	89.97169
16	7	9	89.698812	0.00837	89.699494	55.383577	12.713814	21.506118	89.699615
11	7	4	87.299063	0.015297	87.300572	16.366017	25.948821	44.937076	87.300688
15	8	7	83.887706	0.02091	83.888565	40.22648	15.993813	27.592918	83.888677
14	8	6	83.50894	0.046618	83.509943	32.013459	18.711623	32.712184	83.510059
13	8	5	83.4974	0.027198	83.498602	23.843487	21.674597	37.926804	83.498718
16	8	8	83.314768	0.008163	83.315532	45.609003	13.516721	24.104483	83.315693
12	8	4	83.086323	0.023779	83.08777	10.307446	26.089161	46.644719	83.087928
14	9	5	79.961072	0.097555	79.962317	20.104789	21.733561	38.069037	79.962436
15	9	6	79.6547	0.020418	79.655711	29.241903	18.204774	32.143579	79.655835
16	9	7	79.525523	0.032235	79.526413	36.095911	15.788611	27.566572	79.52654
13	9	4	79.52105	0.04523	79.522487	5.220992	27.107553	47.146791	79.522604
14	10	4	77.34478	0.063561	77.346264	2.761726	27.209461	47.328597	77.346377
15	10	5	77.078083	0.248712	77.079281	16.686815	21.732023	38.60528	77.079399
16	10	6	76.8544	0.045958	76.855399	26.52769	18.31455	31.950368	76.855513
16	12	4	75.541853	4.605461	75.542832	0.010982	26.599779	48.869385	75.542948
16	11	5	75.316121	0.0649	75.31735	14.527067	22.187737	38.545423	75.317516
15	11	4	74.981367	3.061568	74.982314	0.008842	26.473393	48.441476	74.982458

3 Data generation per analysing

			iter time	iter idle t.	analyze t	ana. Idle t.	transfer t.	analyze	total time
13	1	12	411.069635	0.00765	411.070298	400.320021	5.065765	5.639824	411.07037
16	1	15	410.713477	0.007225	410.714138	401.239512	4.773709	4.645063	410.714252
15	1	14	410.573659	0.007241	410.574255	400.790926	4.84168	4.889319	410.574373
14	1	13	410.522341	0.006729	410.522967	400.350326	4.9149	5.209707	410.52309
12	1	11	403.684581	0.007107	403.68531	392.531116	5.169034	5.944935	403.685473
11	1	10	401.212522	0.006377	401.21326	389.423061	5.445746	6.306984	401.213375
10	1	9	397.097965	0.007013	397.098731	384.444657	5.730431	6.890761	397.098877
9	1	8	396.297605	0.005744	396.298526	382.482714	6.140485	7.644559	396.298703
8	1	7	395.454427	0.006514	395.455406	380.081866	6.68389	8.660775	395.455526
7	1	6	388.219375	0.00693	388.220371	371.22466	7.2758	9.693476	388.220546
6	1	5	384.475474	0.007066	384.476643	364.738167	8.236315	11.477628	384.476812
5	1	4	382.921692	0.005644	382.923104	358.959291	9.670944	14.273011	382.923269
4	1	3	382.900734	0.008235	382.902569	351.827978	12.094166	18.96109	382.902734
3	1	2	382.168739	0.005871	382.171426	336.626585	17.032578	28.49532	382.171564
2	1	1	377.438096	0.005386	377.443259	289.102766	30.759481	57.571483	377.443403
14	2	12	230.250922	0.00783	230.25145	221.688871	3.121313	5.398693	230.251617
13	2	11	230.207274	0.007403	230.20784	220.89721	3.401429	5.870435	230.207963
15	2	13	229.905243	0.008415	229.905719	221.836625	2.928721	5.092873	229.905837
16	2	14	229.876338	0.007494	229.876793	222.228388	2.778592	4.818957	229.876959
12	2	10	229.471015	0.007293	229.471914	218.334847	3.977456	7.123253	229.472076
11	2	9	220.73006	0.007129	220.730673	210.094159	3.911186	6.693837	220.730791

10	2	8	220.658322	0.008285	220.659059	208.891559	4.330452	7.409417	220.659126
9	2	7	219.264336	0.008647	219.265118	205.681296	5.008328	8.550102	219.265274
8	2	6	217.842968	0.008516	217.843887	202.314152	5.690956	9.816981	217.844029
7	2	5	212.473239	0.007874	212.474257	194.332191	6.675209	11.447956	212.474379
6	2	4	210.827839	0.007808	210.829099	188.52066	8.088051	14.203555	210.829221
5	2	3	209.111982	0.007518	209.113873	179.477516	10.7344	18.883995	209.113997
4	2	2	207.848944	0.007426	207.851719	163.385033	15.538376	28.910333	207.851838
3	2	1	205.252734	0.006775	205.257824	116.168604	30.870577	58.207247	205.257985
15	3	12	164.735496	0.007998	164.736032	156.070591	3.156904	5.464997	164.736196
13	3	10	164.233038	0.007179	164.233652	154.094128	3.722224	6.382238	164.233769
16	3	13	164.175478	0.007935	164.17596	156.081267	2.955252	5.092645	164.176074
14	3	11	164.096776	0.00808	164.097336	154.80296	3.407466	5.847861	164.097405
12	3	9	163.922984	0.007138	163.923658	152.665061	4.116697	7.109845	163.92378
11	3	8	159.462706	0.007817	159.463452	147.4631	4.416374	7.555238	159.463567
10	3	7	157.965454	0.007813	157.966325	144.418709	5.003612	8.519106	157.966484
9	3	6	157.707892	0.008126	157.708824	141.994852	5.721709	9.97066	157.708988
8	3	5	155.778478	0.007272	155.77958	136.808001	6.886445	12.066842	155.779744
7	3	4	152.872606	0.006775	152.8741	129.983486	8.242115	14.629287	152.874166
6	3	3	151.146399	0.006671	151.148076	121.143587	10.516134	19.471712	151.148199
5	3	2	148.804192	0.007601	148.806722	103.480471	15.844409	29.464532	148.806841
4	3	1	148.187891	0.007303	148.19334	56.972097	31.576428	59.632926	148.193504
15	4	11	131.97012	0.008378	131.97068	122.531974	3.474988	5.924716	131.970796
16	4	12	131.696178	0.008322	131.69672	122.975403	3.206211	5.472246	131.696884
14	4	10	131.524786	0.007731	131.525398	121.288879	3.776896	6.42429	131.525468
13	4	9	131.352539	0.008174	131.353216	120.09873	4.163476	7.058725	131.353336
12	4	8	130.703928	0.007828	130.704684	118.202773	4.572621	7.899168	130.704751
11	4	7	128.480015	0.007767	128.480803	114.568075	5.145091	8.741728	128.480922
10	4	6	126.771942	0.007489	126.772861	110.765709	5.899857	10.086027	126.772981
9	4	5	126.310379	0.007882	126.311483	107.227905	6.931053	12.133917	126.311602
8	4	4	124.985984	0.00768	124.987435	101.562619	8.259675	15.145308	124.987599
7	4	3	122.077522	0.007234	122.079542	91.117476	11.032193	19.912774	122.07966
6	4	2	119.454662	0.007983	119.457369	72.697254	16.180255	30.561357	119.457486
5	4	1	118.957933	0.00718	118.958696	26.553656	31.830199	60.562665	118.958842
13	5	8	111.894247	0.00749	111.895013	99.120949	4.711943	8.032584	111.895187
14	5	9	111.872117	0.00836	111.872805	100.511568	4.194051	7.134115	111.872877
16	5	11	111.751342	0.00816	111.751908	102.242229	3.515967	5.953253	111.752079
12	5	7	111.701501	0.00792	111.702372	97.141077	5.343986	9.192234	111.702533
15	5	10	111.546006	0.008313	111.546629	101.195778	3.792538	6.52226	111.546765
11	5	6	109.073773	0.007106	109.074724	92.759741	5.959241	10.334352	109.074864
10	5	5	107.865796	0.007307	107.867008	88.789952	6.778131	12.27783	107.867124
16	15	1	107.39448	43.682345	107.396035	0.006442	35.313794	72.062709	107.396149
15	14	1	107.135066	42.049353	107.136577	0.006526	35.365173	71.752231	107.136739
9	5	4	106.904236	0.007534	106.905729	82.873825	8.619029	15.393142	106.905892
14	13	1	106.303017	39.725829	106.304482	0.006418	35.187621	71.096576	106.3046
8	5	3	106.073894	0.007155	106.075675	74.166889	11.300125	20.591875	106.075796
13	12	1	105.841533	37.667516	105.843002	0.00673	35.206917	70.616333	105.843166
12	11	1	105.055884	35.229625	105.057198	0.007111	35.346123	69.692739	105.057315
7	5	2	103.671029	0.007258	103.673767	56.470819	16.50448	30.679672	103.673886
6	5	1	102.2872	1.16754	102.288615	7.831595	32.292285	62.153751	102.288779
11	10	1	100.862893	30.566494	100.864131	0.006739	33.831253	67.01491	100.864251
10	9	1	99.349491	26.339392	99.350507	0.00679	33.510224	65.821789	99.350627
13	6	7	99.30523	0.034759	99.306096	84.808337	5.336891	9.13671	99.306209
12	6	6	98.74085	0.007464	98.741864	81.926674	6.007412	10.785077	98.74198

15	6	9	98.649971	0.008827	98.650652	87.095043	4.272022	7.250564	98.650772
14	6	8	98.58757	0.007803	98.588339	85.856512	4.686638	8.016251	98.588454
9	8	1	98.498601	21.031793	98.499376	0.00745	33.472747	65.006632	98.499537
16	6	10	98.498459	0.008401	98.499114	88.057793	3.857399	6.546765	98.49928
8	7	1	97.423244	13.703384	97.423743	0.00769	33.254053	64.149341	97.423904
11	6	5	95.925541	0.007646	95.926686	76.301459	7.06794	12.537946	95.926807
7	6	1	94.526586	3.956932	94.526669	0.009236	32.478449	62.027772	94.526771
10	6	4	94.407409	0.008015	94.408775	70.116961	8.652303	15.622086	94.408891
9	6	3	93.943301	0.00791	93.945259	61.24313	11.457356	21.228458	93.945381
8	6	2	93.389172	0.007469	93.391894	44.940012	16.866711	31.563492	93.392056
14	7	7	89.790088	0.007716	89.790962	75.300983	5.176519	9.287494	89.791084
16	7	9	89.735034	0.00831	89.735718	78.250254	4.235978	7.216343	89.735858
13	7	6	89.58082	0.007462	89.581829	72.591979	6.160296	10.80762	89.581946
15	7	8	89.187013	0.008548	89.187781	76.185044	4.761519	8.211574	89.187904
12	7	5	89.00633	0.007931	89.007549	68.52562	7.321751	13.140182	89.007672
11	7	4	86.789773	0.007712	86.791146	61.89633	8.814576	16.062727	86.79126
10	7	3	85.908083	0.00751	85.909899	53.222605	11.569172	21.101235	85.910002
9	7	2	85.395251	0.007381	85.397982	35.906113	17.414927	32.058961	85.398115
14	8	6	83.193815	0.007671	83.194825	66.032972	6.162456	10.975602	83.194986
15	8	7	82.915391	0.008471	82.916264	68.050972	5.406937	9.431139	82.916382
13	8	5	82.817618	0.007949	82.818844	61.859929	7.396905	13.541618	82.818958
16	8	8	82.668783	0.008221	82.669552	69.787441	4.623242	8.228505	82.669733
12	8	4	82.439927	0.008069	82.441455	56.716557	9.032509	16.674476	82.441591
11	8	3	81.029971	0.007616	81.031889	47.359947	11.912481	21.73905	81.032001
10	8	2	79.991933	0.009144	79.994653	29.758786	17.658863	32.556467	79.994775
13	9	4	78.728489	0.007833	78.729955	52.390357	9.328317	16.991692	78.730099
14	9	5	78.491021	0.008149	78.492244	57.344722	7.428395	13.699801	78.492406
12	9	3	78.411329	0.007684	78.41322	43.494988	12.344872	22.550578	78.413381
16	9	7	78.181348	0.008908	78.182228	63.160901	5.435068	9.559779	78.182346
15	9	6	78.124896	0.008793	78.125915	60.534061	6.245047	11.32408	78.126029
11	9	2	76.139898	0.007204	76.139915	24.761978	18.18152	33.176841	76.140032
14	10	4	75.553404	0.008218	75.554909	49.009067	9.418768	17.109833	75.555022
15	10	5	75.433623	0.060941	75.434851	53.855663	7.590832	13.96602	75.434962
13	10	3	75.355994	0.00759	75.357876	39.686421	12.699475	22.947192	75.357943
16	10	6	75.028886	0.008445	75.029968	57.113062	6.340784	11.552688	75.030088
12	10	2	74.570625	0.092967	74.570803	21.352064	18.769723	34.42782	74.570868
15	11	4	72.940862	0.009035	72.942386	45.788482	9.770216	17.364174	72.942499
14	11	3	72.799048	0.007656	72.800923	36.541401	12.957633	23.275201	72.801037
16	11	5	72.607809	0.00866	72.609036	50.666505	7.790344	14.132478	72.609151
13	11	2	72.187323	0.011952	72.187669	18.103924	19.031607	35.026821	72.187786
15	12	3	70.910238	0.007928	70.912244	33.784853	13.310091	23.788002	70.912311
16	12	4	70.662568	0.008168	70.664061	43.347499	9.919581	17.375857	70.664179
14	12	2	70.245191	0.010968	70.245628	15.436763	19.13048	35.649579	70.245791
16	13	3	68.942873	0.007853	68.944884	31.248782	13.688132	23.983045	68.944951
15	13	2	68.38232	0.035606	68.382869	12.456345	19.367749	36.526527	68.38303
16	14	2	66.720541	0.019947	66.721161	9.960951	19.450556	37.277165	66.721276