

## test results

size	num B threads	num blocks	dev id	optimization	test1	test2	test3	test4	test5	test avg
2000	2	1	0	0	4.982144	4.978368	5.031936	4.975712	4.976032	4.9888384
2000	2	1	0	0	45.466686	45.51939	45.464127	45.465218	45.465378	45.4761598
20000	2	1	0	0	451.795563	451.847382	451.849792	451.877777	451.849396	451.843982
200000	2	1	0	0	4515.958984	4515.986816	4515.991211	4515.953125	4515.991211	4515.976269
2000	4	1	0	0	2.546272	2.546624	2.546688	2.546336	2.546944	2.5465728
2000	4	1	0	0	23.102432	23.102304	23.102688	23.157057	23.102144	23.113325
20000	4	1	0	0	226.683136	226.681122	226.734909	226.681625	226.681305	226.6924194
200000	4	1	0	0	2264.015381	2263.985596	2263.984375	2264.02124	2263.986084	2263.986535
2000	8	1	0	0	1.623616	1.622752	1.624192	1.622848	1.622944	1.6232704
2000	8	1	0	0	12.4176	12.421728	12.416416	12.416288	12.416032	12.4176128
20000	8	1	0	0	119.13501	119.188927	119.130882	119.132317	119.133087	119.1440446
200000	8	1	0	0	1188.552612	1188.518677	1188.520386	1188.523315	1188.524536	1188.527905
2000	16	1	0	0	1.224704	1.225792	1.225824	1.226368	1.224992	1.225536
2000	16	1	0	0	6.792928	6.792736	6.794272	6.793728	6.792864	6.7933056
20000	16	1	0	0	64.670654	64.754402	64.673859	64.726463	64.754684	64.7160124
200000	16	1	0	0	645.681152	645.6828	645.682068	645.687317	645.687866	645.6842406
2000	2	10	0	0	0.626336	0.62688	0.626112	0.626528	0.6272	0.6266112
2000	2	10	0	0	5.172576	5.171936	5.172352	5.172416	5.171648	5.1721856
20000	2	10	0	0	47.9496	47.894402	47.895199	47.894241	47.894623	47.905613
200000	2	10	0	0	481.10495	481.100586	481.101257	481.131714	481.108673	481.109436
2000	4	10	0	0	0.653024	0.653888	0.653984	0.653472	0.653824	0.6536384
2000	4	10	0	0	2.812096	2.810048	2.809824	2.809568	2.810304	2.810368
20000	4	10	0	0	24.903872	24.903488	24.959232	24.903936	24.905151	24.9151358
200000	4	10	0	0	249.58519	249.532349	249.532761	249.583801	249.583588	249.5635378
2000	8	10	0	0	0.66496	0.665504	0.665248	0.665984	0.665568	0.6654528
2000	8	10	0	0	1.746656	1.746656	1.7472	1.735232	1.74688	1.7445248
20000	8	10	0	0	13.075136	13.07392	13.075296	13.074848	13.074272	13.0746944
200000	8	10	0	0	130.162048	130.159302	130.160324	130.161957	130.1633	130.1613862
2000	16	10	0	0	0.700512	0.695648	0.695968	0.695616	0.694912	0.6965312
2000	16	10	0	0	1.345664	1.291392	1.290368	1.28944	1.294976	1.302368
20000	16	10	0	0	7.248544	7.161312	7.161952	7.161408	7.161664	7.178976
200000	16	10	0	0	68.964798	68.967392	68.96582	68.965439	68.968414	68.9663726
2000	2	100	0	0	0.64768	0.64832	0.648832	0.644608	0.64768	

## test results

[illegible]

## test results

[illegible]

## test results

200000	16	1	1	1	1	51.21616	51.219644	51.219296	51.21904	51.220768	51.218982
2000000	2	10	1	1	1	510.513	510.515869	510.506897	510.508118	510.512329	510.5112426
2000	2	10	1	1	1	0.534688	0.535776	0.535232	0.535652	0.534816	0.5352064
20000	2	10	1	1	1	4.4272	4.4184	4.41824	4.424096	4.416296	4.4208384
200000	2	10	1	1	1	40.760098	40.779999	40.787777	40.753376	40.71619	40.759488
20000000	2	10	1	1	1	408.545532	408.595551	408.59964	408.630737	408.547241	408.5837402
2000	4	10	1	1	1	0.530848	0.527362	0.530176	0.52528	0.5264	0.5280192
20000	4	10	1	1	1	2.250592	2.250656	2.250784	2.2512	2.251616	2.2509696
200000	4	10	1	1	1	20.516064	20.50992	20.551647	20.5432	20.519775	20.5281212
20000000	4	10	1	1	1	204.496994	204.4729	204.519943	204.465988	204.470428	204.4852506
2000	8	10	1	1	1	0.527232	0.528192	0.527296	0.527488	0.528192	0.52768
20000	8	10	1	1	1	1.92512	1.925024	1.9256	1.92592	1.924992	1.9253312
200000	8	10	1	1	1	19.887169	19.974112	19.884256	19.887009	19.882433	19.9029058
20000000	8	10	1	1	1	197.94931	197.948029	197.945984	197.946884	197.953415	197.9487244
2000	16	10	1	1	1	0.542688	0.544704	0.547616	0.547808	0.547904	0.546144
20000	16	10	1	1	1	1.637504	1.637952	1.637184	1.637632	1.637952	1.6376448
200000	16	10	1	1	1	15.283648	15.283584	15.284064	15.2832	15.283808	15.2836608
20000000	16	10	1	1	1	153.187836	153.186234	153.190521	153.189087	153.186981	153.1881318
2000	2	100	1	1	1	0.873888	0.87712	0.874496	0.877408	0.875808	0.875744
20000	2	100	1	1	1	4.020064	4.02128	4.021312	4.02448	4.01936	4.0212992
200000	2	100	1	1	1	36.815647	36.84288	36.835007	36.837887	36.842655	36.8348152
2000000	2	100	1	1	1	362.349762	362.348083	362.389038	362.324036	362.476959	362.3775756
2000	4	100	1	1	1	0.703104	0.704266	0.70272	0.70448	0.704224	0.7037568
20000	4	100	1	1	1	2.23832	2.238096	2.236128	2.235988	2.2347648	2.2347648
200000	4	100	1	1	1	18.50848	18.512159	18.5144	18.511232	18.509888	18.5112318
2000000	4	100	1	1	1	181.842041	181.870745	181.857727	181.863998	181.855682	181.8598386
2000	8	100	1	1	1	0.861856	0.86304	0.863968	0.866016	0.863072	0.8635904
20000	8	100	1	1	1	2.017536	2.017792	2.018272	2.017152	2.018592	2.0178688
200000	8	100	1	1	1	14.015488	14.014112	14.018144	14.018048	14.014656	14.0160896
2000000	8	100	1	1	1	130.472412	130.439972	130.381378	130.419876	130.381439	130.4190154
2000	16	100	1	1	1	1.530336	1.53232	1.531872	1.532736	1.53104	1.5316608
20000	16	100	1	1	1	2.64976	2.6504	2.648832	2.647424	2.649568	2.64919

## report source

input size	num B threads	num blocks	dev id	optimization	test avg
2000	2	1	DEV 0	NOT_OPTIM	4.989
20000	2	1	DEV 0	NOT_OPTIM	45.476
200000	2	1	DEV 0	NOT_OPTIM	451.844
2000000	2	1	DEV 0	NOT_OPTIM	4515.976
2000	4	1	DEV 0	NOT_OPTIM	2.547
20000	4	1	DEV 0	NOT_OPTIM	23.113
200000	4	1	DEV 0	NOT_OPTIM	226.692
2000000	4	1	DEV 0	NOT_OPTIM	2263.999
2000	8	1	DEV 0	NOT_OPTIM	1.623
20000	8	1	DEV 0	NOT_OPTIM	12.418
200000	8	1	DEV 0	NOT_OPTIM	119.144
2000000	8	1	DEV 0	NOT_OPTIM	1188.528
2000	16	1	DEV 0	NOT_OPTIM	1.226
20000	16	1	DEV 0	NOT_OPTIM	6.793
200000	16	1	DEV 0	NOT_OPTIM	64.716
2000000	16	1	DEV 0	NOT_OPTIM	645.684
2000	2	10	DEV 0	NOT_OPTIM	0.627
20000	2	10	DEV 0	NOT_OPTIM	5.172
200000	2	10	DEV 0	NOT_OPTIM	47.906
2000000	2	10	DEV 0	NOT_OPTIM	481.109
2000	4	10	DEV 0	NOT_OPTIM	0.654
20000	4	10	DEV 0	NOT_OPTIM	2.810
200000	4	10	DEV 0	NOT_OPTIM	24.915
2000000	4	10	DEV 0	NOT_OPTIM	249.564
2000	8	10	DEV 0	NOT_OPTIM	0.665
20000	8	10	DEV 0	NOT_OPTIM	1.745
200000	8	10	DEV 0	NOT_OPTIM	13.075
2000000	8	10	DEV 0	NOT_OPTIM	130.161
2000	16	10	DEV 0	NOT_OPTIM	0.697
20000	16	10	DEV 0	NOT_OPTIM	1.302
200000	16	10	DEV 0	NOT_OPTIM	7.179
2000000	16	10	DEV 0	NOT_OPTIM	68.966
2000	2	100	DEV 0	NOT_OPTIM	0.647
20000	2	100	DEV 0	NOT_OPTIM	1.777
200000	2	100	DEV 0	NOT_OPTIM	14.372
2000000	2	100	DEV 0	NOT_OPTIM	144.195
2000	4	100	DEV 0	NOT_OPTIM	0.677
20000	4	100	DEV 0	NOT_OPTIM	1.263
200000	4	100	DEV 0	NOT_OPTIM	7.774
2000000	4	100	DEV 0	NOT_OPTIM	78.780
2000	8	100	DEV 0	NOT_OPTIM	0.708
20000	8	100	DEV 0	NOT_OPTIM	0.769
200000	8	100	DEV 0	NOT_OPTIM	5.828
2000000	8	100	DEV 0	NOT_OPTIM	55.862
2000	16	100	DEV 0	NOT_OPTIM	0.761
20000	16	100	DEV 0	NOT_OPTIM	0.987
200000	16	100	DEV 0	NOT_OPTIM	6.041
2000000	16	100	DEV 0	NOT_OPTIM	53.915
2000	2	300	DEV 0	NOT_OPTIM	0.691
20000	2	300	DEV 0	NOT_OPTIM	1.821
200000	2	300	DEV 0	NOT_OPTIM	12.435
2000000	2	300	DEV 0	NOT_OPTIM	115.279
2000	4	300	DEV 0	NOT_OPTIM	0.720
20000	4	300	DEV 0	NOT_OPTIM	1.325
200000	4	300	DEV 0	NOT_OPTIM	6.721
2000000	4	300	DEV 0	NOT_OPTIM	60.477
2000	8	300	DEV 0	NOT_OPTIM	0.704
20000	8	300	DEV 0	NOT_OPTIM	1.164
200000	8	300	DEV 0	NOT_OPTIM	5.149
2000000	8	300	DEV 0	NOT_OPTIM	39.744
2000	16	300	DEV 0	NOT_OPTIM	1.311
20000	16	300	DEV 0	NOT_OPTIM	1.662
200000	16	300	DEV 0	NOT_OPTIM	5.396
2000000	16	300	DEV 0	NOT_OPTIM	42.754
2000	2	400	DEV 0	NOT_OPTIM	0.747
20000	2	400	DEV 0	NOT_OPTIM	1.711
200000	2	400	DEV 0	NOT_OPTIM	11.323
2000000	2	400	DEV 0	NOT_OPTIM	104.886

## report source

2000	4	400 DEV 0	NOT_OPTIM	0.707
20000	4	400 DEV 0	NOT_OPTIM	1.230
200000	4	400 DEV 0	NOT_OPTIM	6.684
2000000	4	400 DEV 0	NOT_OPTIM	55.942
2000	8	400 DEV 0	NOT_OPTIM	0.939
20000	8	400 DEV 0	NOT_OPTIM	1.361
200000	8	400 DEV 0	NOT_OPTIM	5.141
2000000	8	400 DEV 0	NOT_OPTIM	40.934
2000	16	400 DEV 0	NOT_OPTIM	1.662
20000	16	400 DEV 0	NOT_OPTIM	2.027
200000	16	400 DEV 0	NOT_OPTIM	5.798
2000000	16	400 DEV 0	NOT_OPTIM	42.376
2000	2	1 DEV 1	NOT_OPTIM	4.355
20000	2	1 DEV 1	NOT_OPTIM	39.699
200000	2	1 DEV 1	NOT_OPTIM	394.573
2000000	2	1 DEV 1	NOT_OPTIM	3944.918
2000	4	1 DEV 1	NOT_OPTIM	2.233
20000	4	1 DEV 1	NOT_OPTIM	20.173
200000	4	1 DEV 1	NOT_OPTIM	198.019
2000000	4	1 DEV 1	NOT_OPTIM	1977.743
2000	8	1 DEV 1	NOT_OPTIM	1.393
20000	8	1 DEV 1	NOT_OPTIM	10.438
200000	8	1 DEV 1	NOT_OPTIM	100.198
2000000	8	1 DEV 1	NOT_OPTIM	999.718
2000	16	1 DEV 1	NOT_OPTIM	1.011
20000	16	1 DEV 1	NOT_OPTIM	5.513
200000	16	1 DEV 1	NOT_OPTIM	52.488
2000000	16	1 DEV 1	NOT_OPTIM	523.736
2000	2	10 DEV 1	NOT_OPTIM	0.540
20000	2	10 DEV 1	NOT_OPTIM	4.460
200000	2	10 DEV 1	NOT_OPTIM	41.067
2000000	2	10 DEV 1	NOT_OPTIM	412.009
2000	4	10 DEV 1	NOT_OPTIM	0.565
20000	4	10 DEV 1	NOT_OPTIM	2.370
200000	4	10 DEV 1	NOT_OPTIM	21.497
2000000	4	10 DEV 1	NOT_OPTIM	211.494
2000	8	10 DEV 1	NOT_OPTIM	0.541
20000	8	10 DEV 1	NOT_OPTIM	1.947
200000	8	10 DEV 1	NOT_OPTIM	20.095
2000000	8	10 DEV 1	NOT_OPTIM	199.858
2000	16	10 DEV 1	NOT_OPTIM	0.587
20000	16	10 DEV 1	NOT_OPTIM	1.756
200000	16	10 DEV 1	NOT_OPTIM	16.985
2000000	16	10 DEV 1	NOT_OPTIM	164.856
2000	2	100 DEV 1	NOT_OPTIM	0.881
20000	2	100 DEV 1	NOT_OPTIM	4.055
200000	2	100 DEV 1	NOT_OPTIM	38.483
2000000	2	100 DEV 1	NOT_OPTIM	381.653
2000	4	100 DEV 1	NOT_OPTIM	0.734
20000	4	100 DEV 1	NOT_OPTIM	2.445
200000	4	100 DEV 1	NOT_OPTIM	21.805
2000000	4	100 DEV 1	NOT_OPTIM	215.585
2000	8	100 DEV 1	NOT_OPTIM	0.917
20000	8	100 DEV 1	NOT_OPTIM	2.363
200000	8	100 DEV 1	NOT_OPTIM	15.800
2000000	8	100 DEV 1	NOT_OPTIM	146.459
2000	16	100 DEV 1	NOT_OPTIM	1.561
20000	16	100 DEV 1	NOT_OPTIM	2.861
200000	16	100 DEV 1	NOT_OPTIM	17.181
2000000	16	100 DEV 1	NOT_OPTIM	148.250
2000	2	300 DEV 1	NOT_OPTIM	1.842
20000	2	300 DEV 1	NOT_OPTIM	5.102
200000	2	300 DEV 1	NOT_OPTIM	40.040
2000000	2	300 DEV 1	NOT_OPTIM	377.991
2000	4	300 DEV 1	NOT_OPTIM	1.667
20000	4	300 DEV 1	NOT_OPTIM	3.549
200000	4	300 DEV 1	NOT_OPTIM	21.438
2000000	4	300 DEV 1	NOT_OPTIM	195.781
2000	8	300 DEV 1	NOT_OPTIM	2.213

## report source

2000	8	300	DEV 1	NOT_OPTIM	3.614
200000	8	300	DEV 1	NOT_OPTIM	16.394
2000000	8	300	DEV 1	NOT_OPTIM	143.182
2000	16	300	DEV 1	NOT_OPTIM	4.065
20000	16	300	DEV 1	NOT_OPTIM	5.447
200000	16	300	DEV 1	NOT_OPTIM	19.878
2000000	16	300	DEV 1	NOT_OPTIM	159.405
2000	2	400	DEV 1	NOT_OPTIM	2.295
20000	2	400	DEV 1	NOT_OPTIM	5.564
200000	2	400	DEV 1	NOT_OPTIM	40.732
2000000	2	400	DEV 1	NOT_OPTIM	382.486
2000	4	400	DEV 1	NOT_OPTIM	2.133
20000	4	400	DEV 1	NOT_OPTIM	4.042
200000	4	400	DEV 1	NOT_OPTIM	22.153
2000000	4	400	DEV 1	NOT_OPTIM	195.129
2000	8	400	DEV 1	NOT_OPTIM	2.857
20000	8	400	DEV 1	NOT_OPTIM	4.228
200000	8	400	DEV 1	NOT_OPTIM	17.033
2000000	8	400	DEV 1	NOT_OPTIM	141.985
2000	16	400	DEV 1	NOT_OPTIM	5.301
20000	16	400	DEV 1	NOT_OPTIM	6.626
200000	16	400	DEV 1	NOT_OPTIM	20.458
2000000	16	400	DEV 1	NOT_OPTIM	156.407
2000	2	1	DEV 0	OPTIMIZED	4.973
20000	2	1	DEV 0	OPTIMIZED	45.406
200000	2	1	DEV 0	OPTIMIZED	451.249
2000000	2	1	DEV 0	OPTIMIZED	4511.264
2000	4	1	DEV 0	OPTIMIZED	2.536
20000	4	1	DEV 0	OPTIMIZED	23.004
200000	4	1	DEV 0	OPTIMIZED	225.664
2000000	4	1	DEV 0	OPTIMIZED	2255.661
2000	8	1	DEV 0	OPTIMIZED	1.565
20000	8	1	DEV 0	OPTIMIZED	11.798
200000	8	1	DEV 0	OPTIMIZED	113.182
2000000	8	1	DEV 0	OPTIMIZED	1128.521
2000	16	1	DEV 0	OPTIMIZED	1.113
20000	16	1	DEV 0	OPTIMIZED	6.133
200000	16	1	DEV 0	OPTIMIZED	58.379
2000000	16	1	DEV 0	OPTIMIZED	581.630
2000	2	10	DEV 0	OPTIMIZED	0.588
20000	2	10	DEV 0	OPTIMIZED	4.971
200000	2	10	DEV 0	OPTIMIZED	45.424
2000000	2	10	DEV 0	OPTIMIZED	451.538
2000	4	10	DEV 0	OPTIMIZED	0.592
20000	4	10	DEV 0	OPTIMIZED	2.538
200000	4	10	DEV 0	OPTIMIZED	22.994
2000000	4	10	DEV 0	OPTIMIZED	225.853
2000	8	10	DEV 0	OPTIMIZED	0.590
20000	8	10	DEV 0	OPTIMIZED	1.565
200000	8	10	DEV 0	OPTIMIZED	11.788
2000000	8	10	DEV 0	OPTIMIZED	113.276
2000	16	10	DEV 0	OPTIMIZED	0.614
20000	16	10	DEV 0	OPTIMIZED	1.112
200000	16	10	DEV 0	OPTIMIZED	6.127
2000000	16	10	DEV 0	OPTIMIZED	58.409
2000	2	100	DEV 0	OPTIMIZED	0.609
20000	2	100	DEV 0	OPTIMIZED	1.743
200000	2	100	DEV 0	OPTIMIZED	13.846
2000000	2	100	DEV 0	OPTIMIZED	137.834
2000	4	100	DEV 0	OPTIMIZED	0.611
20000	4	100	DEV 0	OPTIMIZED	1.169
200000	4	100	DEV 0	OPTIMIZED	6.771
2000000	4	100	DEV 0	OPTIMIZED	69.333
2000	8	100	DEV 0	OPTIMIZED	0.601
20000	8	100	DEV 0	OPTIMIZED	0.658
200000	8	100	DEV 0	OPTIMIZED	4.844
2000000	8	100	DEV 0	OPTIMIZED	45.664
2000	16	100	DEV 0	OPTIMIZED	0.613
20000	16	100	DEV 0	OPTIMIZED	0.845

## report source

200000	16	100	DEV 0	OPTIMIZED	4.814
2000000	16	100	DEV 0	OPTIMIZED	41.388
2000	2	300	DEV 0	OPTIMIZED	0.640
20000	2	300	DEV 0	OPTIMIZED	1.756
200000	2	300	DEV 0	OPTIMIZED	11.693
2000000	2	300	DEV 0	OPTIMIZED	108.184
2000	4	300	DEV 0	OPTIMIZED	0.638
20000	4	300	DEV 0	OPTIMIZED	1.199
200000	4	300	DEV 0	OPTIMIZED	6.113
2000000	4	300	DEV 0	OPTIMIZED	54.565
2000	8	300	DEV 0	OPTIMIZED	0.703
20000	8	300	DEV 0	OPTIMIZED	1.079
200000	8	300	DEV 0	OPTIMIZED	4.569
2000000	8	300	DEV 0	OPTIMIZED	39.200
2000	16	300	DEV 0	OPTIMIZED	1.310
20000	16	300	DEV 0	OPTIMIZED	1.657
200000	16	300	DEV 0	OPTIMIZED	5.273
2000000	16	300	DEV 0	OPTIMIZED	40.897
2000	2	400	DEV 0	OPTIMIZED	0.746
20000	2	400	DEV 0	OPTIMIZED	1.773
200000	2	400	DEV 0	OPTIMIZED	11.542
2000000	2	400	DEV 0	OPTIMIZED	106.540
2000	4	400	DEV 0	OPTIMIZED	0.706
20000	4	400	DEV 0	OPTIMIZED	1.216
200000	4	400	DEV 0	OPTIMIZED	6.448
2000000	4	400	DEV 0	OPTIMIZED	53.719
2000	8	400	DEV 0	OPTIMIZED	0.954
20000	8	400	DEV 0	OPTIMIZED	1.269
200000	8	400	DEV 0	OPTIMIZED	4.779
2000000	8	400	DEV 0	OPTIMIZED	40.592
2000	16	400	DEV 0	OPTIMIZED	1.662
20000	16	400	DEV 0	OPTIMIZED	2.010
200000	16	400	DEV 0	OPTIMIZED	5.678
2000000	16	400	DEV 0	OPTIMIZED	41.507
2000	2	1	DEV 1	OPTIMIZED	4.351
20000	2	1	DEV 1	OPTIMIZED	39.639
200000	2	1	DEV 1	OPTIMIZED	393.969
2000000	2	1	DEV 1	OPTIMIZED	3938.915
2000	4	1	DEV 1	OPTIMIZED	2.225
20000	4	1	DEV 1	OPTIMIZED	20.076
200000	4	1	DEV 1	OPTIMIZED	197.064
2000000	4	1	DEV 1	OPTIMIZED	1969.885
2000	8	1	DEV 1	OPTIMIZED	1.376
20000	8	1	DEV 1	OPTIMIZED	10.298
200000	8	1	DEV 1	OPTIMIZED	98.855
2000000	8	1	DEV 1	OPTIMIZED	985.655
2000	16	1	DEV 1	OPTIMIZED	0.986
20000	16	1	DEV 1	OPTIMIZED	5.375
200000	16	1	DEV 1	OPTIMIZED	51.219
2000000	16	1	DEV 1	OPTIMIZED	510.511
2000	2	10	DEV 1	OPTIMIZED	0.535
20000	2	10	DEV 1	OPTIMIZED	4.421
200000	2	10	DEV 1	OPTIMIZED	40.759
2000000	2	10	DEV 1	OPTIMIZED	408.584
2000	4	10	DEV 1	OPTIMIZED	0.528
20000	4	10	DEV 1	OPTIMIZED	2.251
200000	4	10	DEV 1	OPTIMIZED	20.528
2000000	4	10	DEV 1	OPTIMIZED	204.485
2000	8	10	DEV 1	OPTIMIZED	0.528
20000	8	10	DEV 1	OPTIMIZED	1.925
200000	8	10	DEV 1	OPTIMIZED	19.903
2000000	8	10	DEV 1	OPTIMIZED	197.949
2000	16	10	DEV 1	OPTIMIZED	0.546
20000	16	10	DEV 1	OPTIMIZED	1.638
200000	16	10	DEV 1	OPTIMIZED	15.284
2000000	16	10	DEV 1	OPTIMIZED	153.188
2000	2	100	DEV 1	OPTIMIZED	0.876
20000	2	100	DEV 1	OPTIMIZED	4.021
200000	2	100	DEV 1	OPTIMIZED	36.835

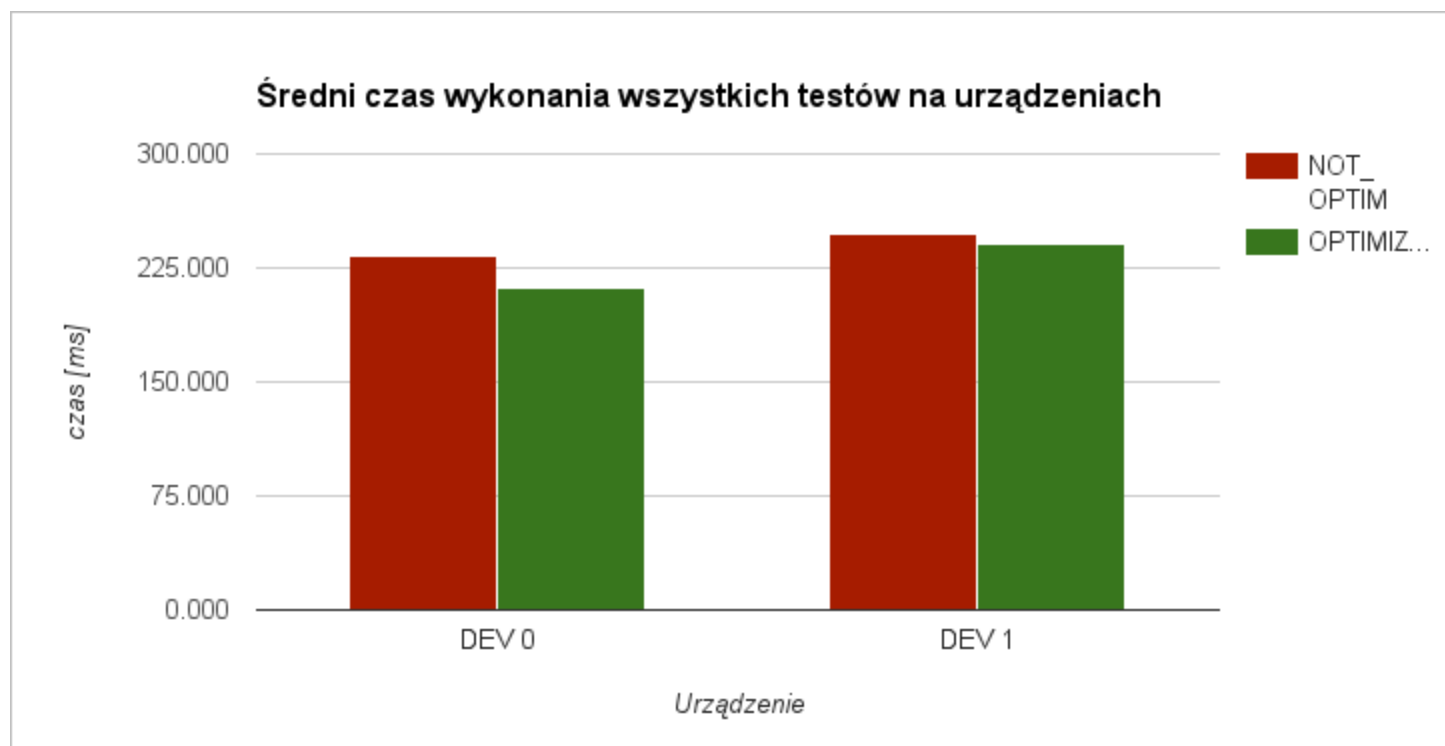


## report source

2000000	2	100	DEV 1	OPTIMIZED	362.378
2000	4	100	DEV 1	OPTIMIZED	0.704
20000	4	100	DEV 1	OPTIMIZED	2.235
200000	4	100	DEV 1	OPTIMIZED	18.511
2000000	4	100	DEV 1	OPTIMIZED	181.860
2000	8	100	DEV 1	OPTIMIZED	0.864
20000	8	100	DEV 1	OPTIMIZED	2.018
200000	8	100	DEV 1	OPTIMIZED	14.016
2000000	8	100	DEV 1	OPTIMIZED	130.419
2000	16	100	DEV 1	OPTIMIZED	1.532
20000	16	100	DEV 1	OPTIMIZED	2.649
200000	16	100	DEV 1	OPTIMIZED	15.179
2000000	16	100	DEV 1	OPTIMIZED	129.860
2000	2	300	DEV 1	OPTIMIZED	1.808
20000	2	300	DEV 1	OPTIMIZED	4.845
200000	2	300	DEV 1	OPTIMIZED	36.441
2000000	2	300	DEV 1	OPTIMIZED	341.368
2000	4	300	DEV 1	OPTIMIZED	1.622
20000	4	300	DEV 1	OPTIMIZED	3.158
200000	4	300	DEV 1	OPTIMIZED	18.916
2000000	4	300	DEV 1	OPTIMIZED	172.058
2000	8	300	DEV 1	OPTIMIZED	2.164
20000	8	300	DEV 1	OPTIMIZED	3.309
200000	8	300	DEV 1	OPTIMIZED	14.797
2000000	8	300	DEV 1	OPTIMIZED	128.647
2000	16	300	DEV 1	OPTIMIZED	4.023
20000	16	300	DEV 1	OPTIMIZED	5.143
200000	16	300	DEV 1	OPTIMIZED	17.146
2000000	16	300	DEV 1	OPTIMIZED	133.345
2000	2	400	DEV 1	OPTIMIZED	2.272
20000	2	400	DEV 1	OPTIMIZED	5.303
200000	2	400	DEV 1	OPTIMIZED	37.041
2000000	2	400	DEV 1	OPTIMIZED	345.535
2000	4	400	DEV 1	OPTIMIZED	2.089
20000	4	400	DEV 1	OPTIMIZED	3.608
200000	4	400	DEV 1	OPTIMIZED	20.039
2000000	4	400	DEV 1	OPTIMIZED	173.744
2000	8	400	DEV 1	OPTIMIZED	2.828
20000	8	400	DEV 1	OPTIMIZED	3.967
200000	8	400	DEV 1	OPTIMIZED	15.437
2000000	8	400	DEV 1	OPTIMIZED	128.101
2000	16	400	DEV 1	OPTIMIZED	5.270
20000	16	400	DEV 1	OPTIMIZED	6.389
200000	16	400	DEV 1	OPTIMIZED	18.394
2000000	16	400	DEV 1	OPTIMIZED	135.090

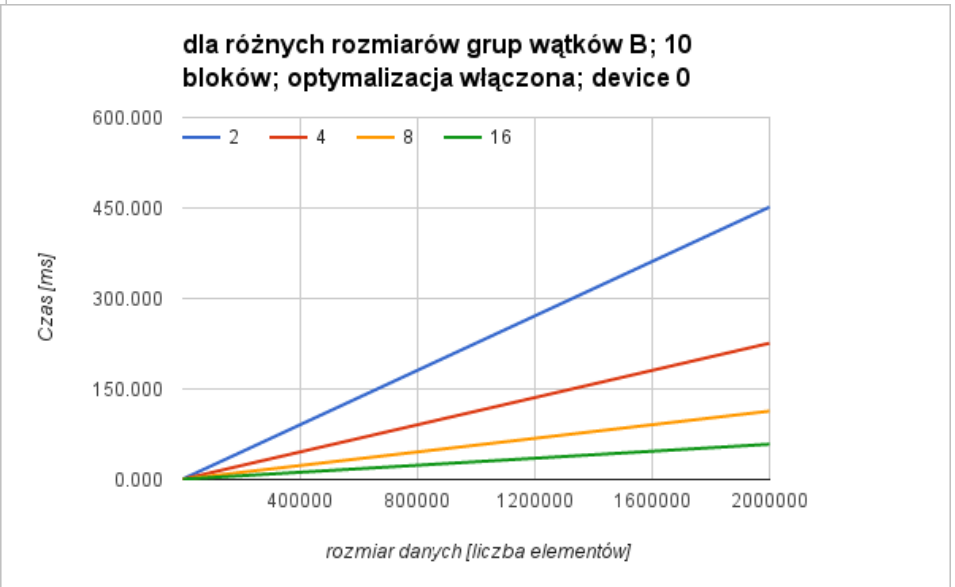
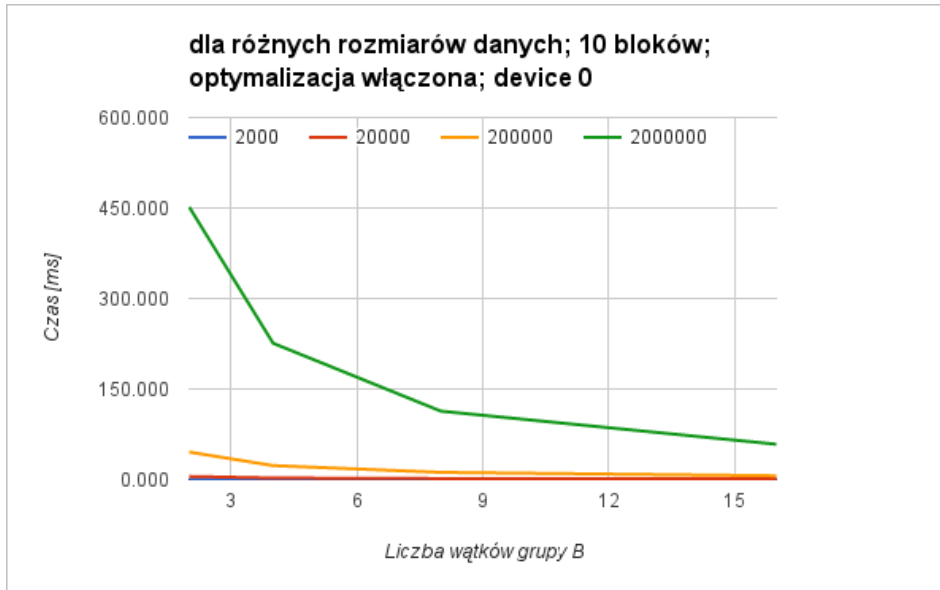
## 1. DEV/OPTIM

	NOT_OPTIM	OPTIMIZED	Grand Total
DEV 0	232.450	212.269	222.360
DEV 1	247.054	241.051	244.053



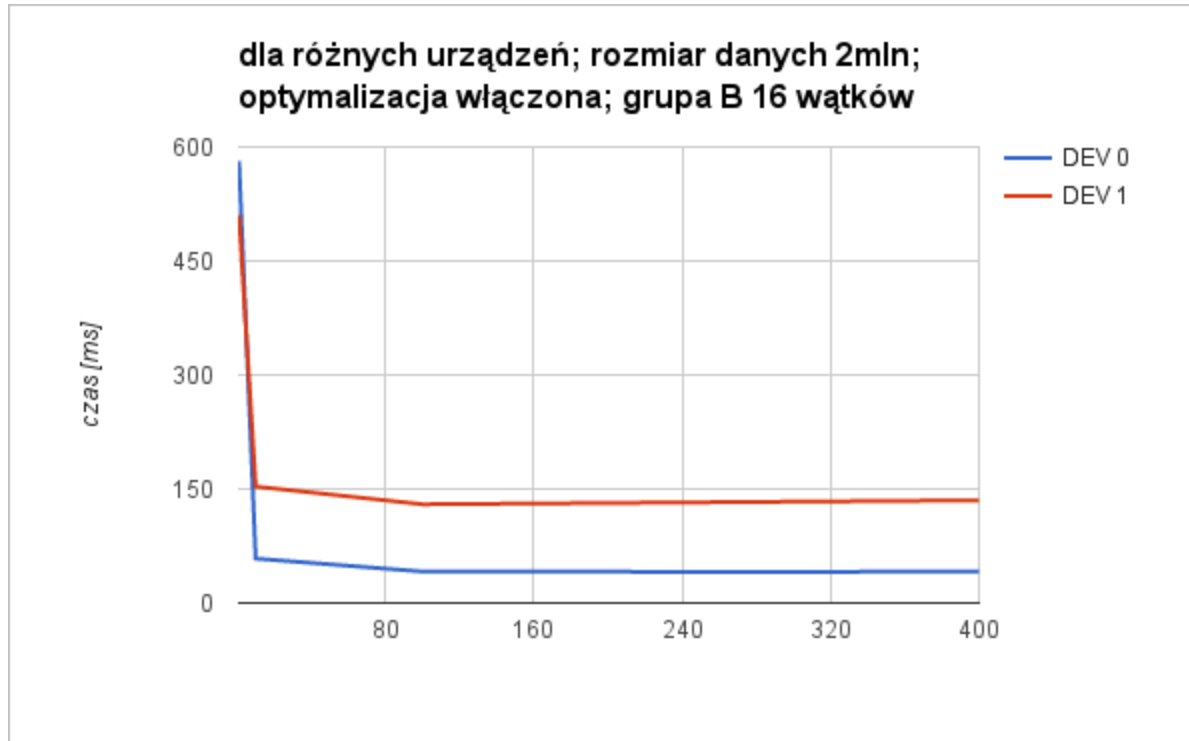
## 2. Size/numBThreads

	2	4	8	16	Grand Total
2000	0.588	0.592	0.590	0.614	0.596
20000	4.971	2.538	1.565	1.112	2.546
200000	45.424	22.994	11.788	6.127	21.583
2000000	451.538	225.853	113.276	58.409	212.269
Grand Total	125.630	62.994	31.805	16.566	59.249



### 3. DEV/numBlocks

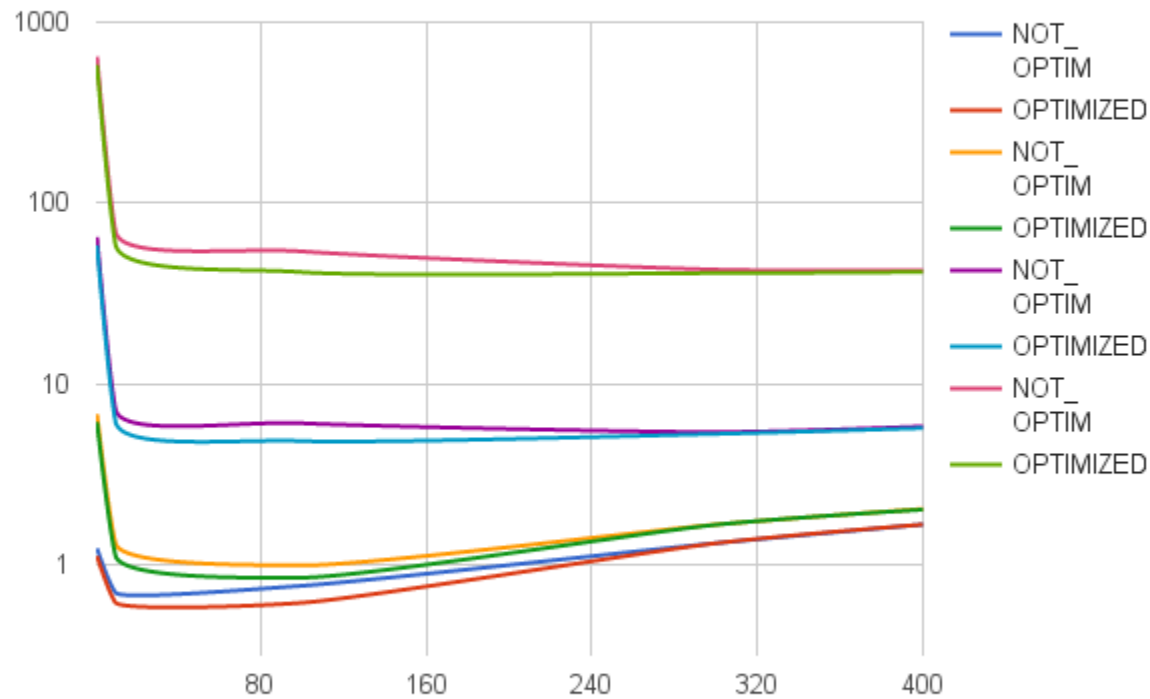
	1	10	100	300	400
DEV 0	581.630	58.409	41.388	40.897	41.507
DEV 1	510.511	153.188	129.860	133.345	135.090



#### 4. Size/numBlocks/OPTIM

		1	10	100	300	400	Grand Total
2000	NOT_OPTIM	1.226	0.697	0.761	1.311	1.662	1.131
	OPTIMIZED	1.113	0.614	0.613	1.310	1.662	1.062
20000	NOT_OPTIM	6.793	1.302	0.987	1.662	2.027	2.554
	OPTIMIZED	6.133	1.112	0.845	1.657	2.010	2.351
200000	NOT_OPTIM	64.716	7.179	6.041	5.396	5.798	17.826
	OPTIMIZED	58.379	6.127	4.814	5.273	5.678	16.054
2000000	NOT_OPTIM	645.684	68.966	53.915	42.754	42.376	170.739
	OPTIMIZED	581.630	58.409	41.388	40.897	41.507	152.766

dla różnych rozmiarów danych i faktu optymalizacji;  
device 0; grupa B 16 wątków



[1]

#### 4. Size/numBlocks/OPTIM

## 5. Size/numBlocks/Device

		1	10	100	300	400	Grand Total
2000	DEV 0	1.113	0.614	0.613	1.310	1.662	1.062
	DEV 1	0.986	0.546	1.532	4.023	5.270	2.471
20000	DEV 0	6.133	1.112	0.845	1.657	2.010	2.351
	DEV 1	5.375	1.638	2.649	5.143	6.389	4.239
200000	DEV 0	58.379	6.127	4.814	5.273	5.678	16.054
	DEV 1	51.219	15.284	15.179	17.146	18.394	23.444
2000000	DEV 0	581.630	58.409	41.388	40.897	41.507	152.766
	DEV 1	510.511	153.188	129.860	133.345	135.090	212.399

## 6. NumBlocks/numBThreads

	2	4	8	16	Grand Total
<b>1</b>	4511.264	2255.661	1128.521	581.630	2119.269
<b>10</b>	451.538	225.853	113.276	58.409	212.269
<b>100</b>	137.834	69.333	45.664	41.388	73.555
<b>300</b>	108.184	54.565	39.200	40.897	60.712
<b>400</b>	106.540	53.719	40.592	41.507	60.590
<b>Grand Total</b>	1063.072	531.826	273.450	152.766	505.279



[1] chart1.m

[2] chart1.m