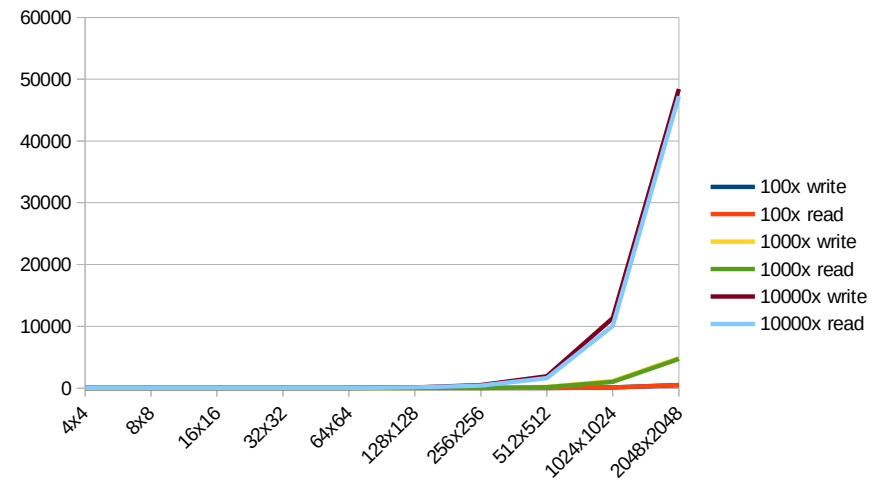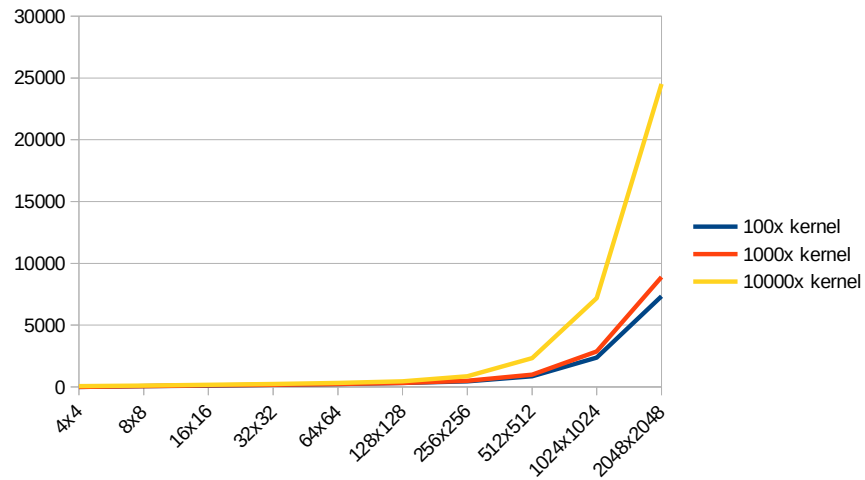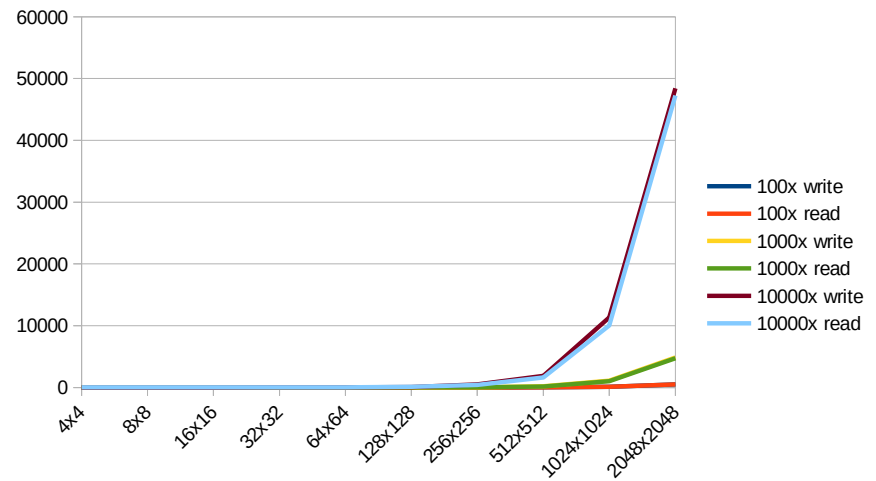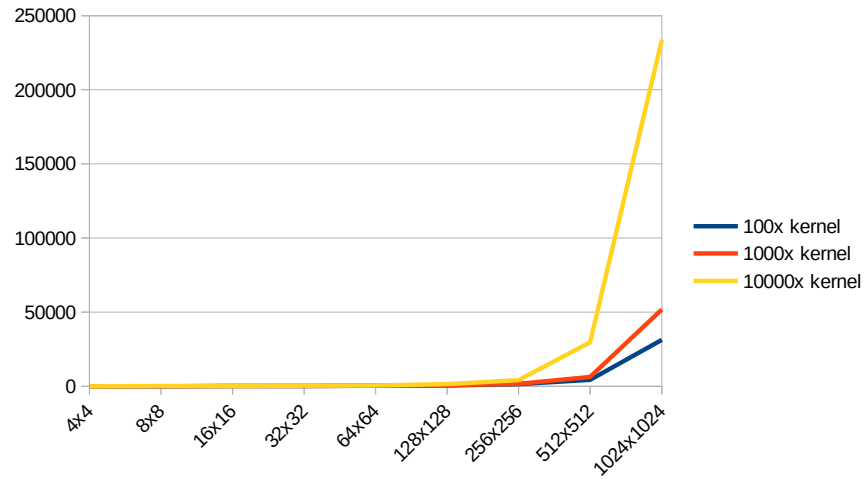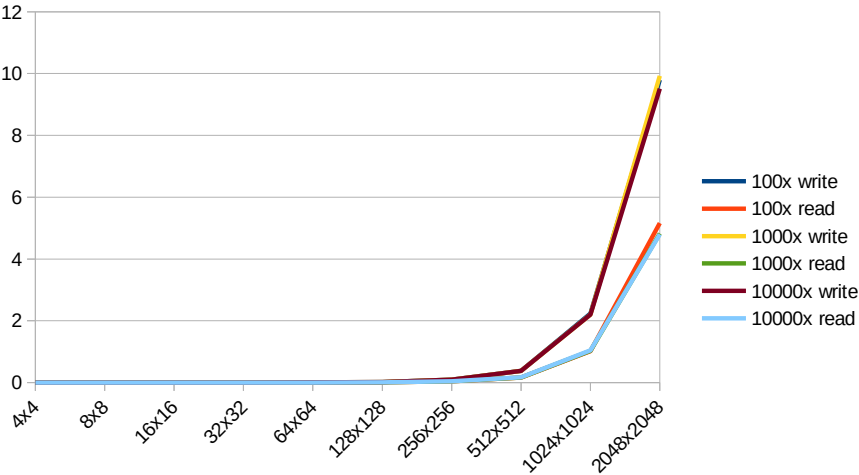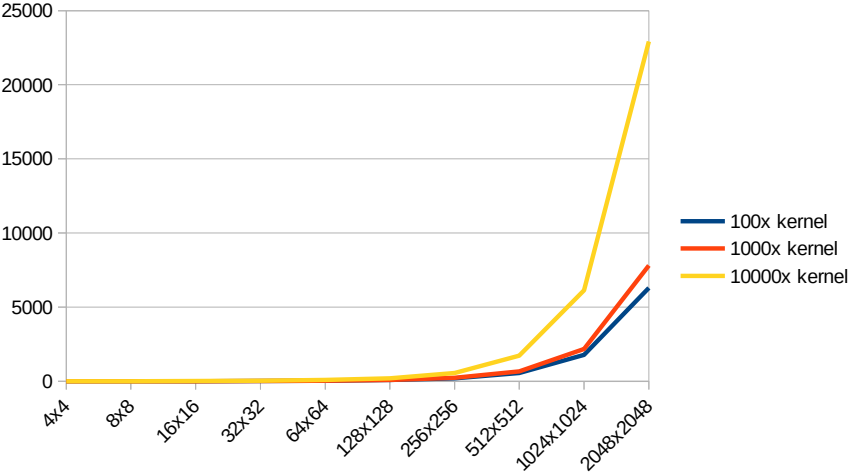| Matrix size	sum write	sum read	100x write	100x read	1000x write	1000x read	10000x write	10000x read	100x kernel	1000x kernel	10000x kernel
4x4	0.076288	0.095008	0.076288	0.095008	0.73392	0.952576	7.42579	9.37552	0.6384	7.17648	58.9271
8x8	0.077536	0.092608	0.077536	0.092608	0.770048	0.939072	7.592544	9.45466	59.4186	64.4186	113.846
16x16	0.078048	0.099072	0.078048	0.099072	0.827456	0.97264	8.275134	9.65312	114.362	119.524	171.047
32x32	0.110528	0.107008	0.110528	0.107008	1.085698	1.06646	10.956816	10.6897	171.603	176.997	232.343
64x64	0.231424	0.287904	0.231424	0.287904	2.237436	2.88976	22.348896	28.775	233.215	240.679	309.142
128x128	0.97792	1.05738	0.97792	1.05738	9.423842	10.4948	94.386156	104.323	310.389	322.579	444.899
256x256	5.0455	4.06605	5.0455	4.06605	48.810008	40.5474	486.608536	412.178	448.586	486.103	851.697
512x512	19.583704	16.3186	19.583704	16.3186	190.857024	163.482	1902.551184	1632.33	864.982	997.449	2322.53
1024x1024	115.89869	101.14	115.89869	101.14	1131.55968	1001.61	11311.53184	10058.4	2371.6	2859.82	7173.95
2048x2048	504.13898	515.365	504.13898	515.365	4865.26047	4744.81	48426.49696	47245.4	7329.51	8889.86	24526.8

GeForce GTX 1060 6GB | NVIDIA Corporation | GPU

Matrix size	sum write	sum read	100x write	100x read	1000x write	1000x read	10000x write	10000x read	100x kernel	1000x kernel	10000x kernel
4x4	0.08965	0.883307	0.08965	0.883307	0.741816	2.47725	6.99775	18.0549	0.648329	10.4032	75.5813
8x8	0.064136	0.065163	0.064136	0.065163	0.62924	0.663229	7.402626	11.0712	76.2334	82.7109	155.72
16x16	0.077214	0.081331	0.077214	0.081331	0.7414	0.785902	17.218279	8.29663	156.498	164.35	244.784
32x32	0.107042	0.107562	0.107042	0.107562	1.047101	1.04807	11.214769	10.6474	245.96	257.788	388.809
64x64	0.255691	0.216961	0.255691	0.216961	2.804302	2.01657	22.768574	20.5694	391.16	414.256	660.436
128x128	0.787866	0.656617	0.787866	0.656617	6.83068	6.16026	68.31351	62.5032	666.676	729.664	1388.35
256x256	2.723738	2.47531	2.723738	2.47531	25.25627	23.5891	251.052754	237.518	1412.36	1668.24	4153.05
512x512	13.556363	13.8673	13.556363	13.8673	126.355093	134.286	1430.730406	1483.5	4365.28	6327.78	29660.4
1024x1024	70.42158	69.6982	70.42158	69.6982	738.78199	712.385	7275.92266	7022.43	31409.7	51870.4	233754

Intel(R) Core(TM) i7-3517U CPU @ 1.90GHz | Intel(R) Corporation | CPU

Matrix size	100x write	100x read	1000x write	1000x read	10000x write	10000x read	100x kernel	1000x kernel	10000x kernel
4x4	0.001024	0.00112	0	0.00112	0.001888	0.000896	0.039808	0.254848	2.32742
8x8	0.001024	0.001248	0.001024	0.000928	0.001024	0.000896	2.35712	2.6049	4.98864
16x16	0.002048	0.00096	0.001888	0.000928	0.001632	0.000928	5.10128	6.10275	15.6792
32x32	0.001888	0.00112	0.002048	0.001152	0.002016	0.001056	15.8891	17.8214	38.0444
64x64	0.004096	0.00304	0.004096	0.00304	0.00512	0.002944	38.4865	42.7546	86.4609
128x128	0.018432	0.010784	0.018432	0.010752	0.018432	0.010208	87.4266	96.9426	193.182
256x256	0.097888	0.043104	0.097888	0.041056	0.097056	0.040832	197.528	230.874	552.804
512x512	0.381152	0.161376	0.380928	0.161248	0.381248	0.170976	563.432	670.854	1738.07
1024x1024	2.23571	1.01578	2.19972	1.02131	2.20451	1.03926	1777.69	2180.44	6146.11
2048x2048	9.79386	5.15734	9.92416	4.82902	9.50803	4.79814	6298.35	7810.32	22929.1

GeForce GTX 1060 6GB | NVIDIA Corporation | GPU

Matrix size	100x write	100x read	1000x write	1000x read	10000x write	10000x read	100x kernel	1000x kernel	10000x kernel
4x4	0.004722	0.001202	0.002326	0.001228	0.00217	0.00102	0.024747	0.080195	0.652028
8x8	0.002062	0.082225	0.003372	0.0016	0.001969	0.002072	0.719783	0.950642	3.45566
16x16	0.002814	0.00133	0.003717	0.001648	0.003443	0.002641	3.61572	4.90605	26.4554
32x32	0.003107	0.001473	0.003594	0.002644	0.003036	0.002623	26.8765	30.9156	81.2164
64x64	0.025998	0.002793	0.025705	0.004537	0.025199	0.004184	83.0046	100.355	292.522
128x128	0.053652	0.009727	0.074604	0.014036	0.064823	0.01342	299.023	364.146	1097.72
256x256	0.226989	0.040043	0.203143	0.040427	0.200275	0.053897	1126.02	1401.6	3999.19
512x512	0.868764	0.183048	0.905224	0.193089	0.855693	0.157107	4151.41	5587.44	15885.3
1024x1024	2.89411	0.73516	2.82935	0.659867	2.96101	0.649474	17031	27576.9	134114

Intel(R) Core(TM) i7-3517U CPU @ 1.90GHz | Intel(R) Corporation | CPU