

mixbench/read-only (v0.03)																
----- Device specifications -----																
Device:	GeForce RTX 2080 SUPER															
CUDA driver version:	10.10															
GPU clock rate:	1815 MHz															
Memory clock rate:	3875 MHz															
Memory bus width:	256 bits															
WarpSize:	32															
L2 cache size:	4096 KB															
Total global mem:	7952 MB															
ECC enabled:	No															
Compute Capability:	7.5															
Total SPs:	6144 (48 MPs x 128 SPs/MP)															
Compute throughput:	22302.72 GFlops (theoretical single precision FMAs)															
Memory bandwidth:	496.06 GB/sec															

Total GPU memory	8338604032, free 8204517376															
Buffer size:	256MB															
Trade-off type:	compute with global memory (block strided)															
Elements per thread:	8															
Thread fusion degree:	4															

Compute iters	Single Precision ops				Double precision ops				Half precision ops				Integer operations			
	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	lops/byte	ex.time	GIOPS	GB/sec
0	0.25	0.29	113.79	455.16	0.125	0.58	58.31	466.45	0.5	0.29	231.04	462.08	0.25	0.29	115.9	463.61
1	0.75	0.29	345.91	461.22	0.375	0.58	174.17	464.46	1.5	0.29	693.73	462.49	0.75	0.29	347.02	462.69
2	1.25	0.29	578.81	463.05	0.625	0.66	255.29	408.46	2.5	0.29	1156.22	462.49	1.25	0.29	578.56	462.85
3	1.75	0.29	808.64	462.08	0.875	0.91	258.84	295.82	3.5	0.29	1617.82	462.23	1.75	0.29	813.3	464.74
4	2.25	0.29	1032.4	458.85	1.125	1.16	260.77	231.79	4.5	0.29	2087.87	463.97	2.25	0.29	1041.63	462.95
5	2.75	0.29	1276.06	464.02	1.375	1.41	261.95	190.51	5.5	0.29	2553.54	464.28	2.75	0.29	1276.2	464.07
6	3.25	0.29	1501.6	462.03	1.625	1.66	262.44	161.5	6.5	0.29	3021.16	464.79	3.25	0.29	1507.07	463.72
7	3.75	0.29	1730.89	461.57	1.875	1.91	263.13	140.33	7.5	0.29	3482.48	464.33	3.75	0.29	1738.93	463.72
8	4.25	0.29	1952.23	459.35	2.125	2.16	263.51	124	8.5	0.29	3942.45	463.82	4.25	0.31	1857.82	437.13
9	4.75	0.29	2179.28	458.8	2.375	2.41	264.05	111.18	9.5	0.29	4386.38	461.72	4.75	0.29	2204.84	464.18
10	5.25	0.29	2424.32	461.78	2.625	2.67	264.23	100.66	10.5	0.29	4854.52	462.34	5.25	0.3	2378.24	453
11	5.75	0.29	2654.33	461.62	2.875	2.92	264.5	92	11.5	0.29	5333.31	463.77	5.75	0.29	2663.12	463.15
12	6.25	0.29	2884.82	461.57	3.125	3.17	264.71	84.71	12.5	0.29	5779.83	462.39	6.25	0.31	2677.4	428.38
13	6.75	0.29	3092.47	458.14	3.375	3.42	264.85	78.47	13.5	0.29	6260.16	463.72	6.75	0.29	3130.77	463.82
14	7.25	0.29	3346.03	461.52	3.625	3.67	264.82	73.05	14.5	0.29	6694.27	461.67	7.25	0.29	3349.71	462.03
15	7.75	0.29	3583.1	462.34	3.875	3.92	265.09	68.41	15.5	0.29	7197.93	464.38	7.75	0.29	3581.91	462.18
16	8.25	0.29	3809.65	461.78	4.125	4.18	265.19	64.29	16.5	0.29	7617.61	461.67	8.25	0.32	3441.72	417.18
17	8.75	0.29	4038.31	461.52	4.375	4.43	265.27	60.63	17.5	0.29	8077.51	461.57	8.75	0.29	4040.98	461.83
18	9.25	0.29	4230.43	457.34	4.625	4.68	265.22	57.34	18.5	0.29	8542.84	461.78	9.25	0.29	4287	463.46
20	10.25	0.29	4727.99	461.27	5.125	5.18	265.51	51.81	20.5	0.29	9472.65	462.08	10.25	0.33	4146.57	404.54
22	11.25	0.29	5158.62	458.54	5.625	5.69	265.56	47.21	22.5	0.29	10392.23	461.88	11.25	0.29	5192.11	461.52
24	12.25	0.29	5641.84	460.56	6.125	6.19	265.68	43.38	24.5	0.29	11293.6	460.96	12.25	0.34	4804.13	392.17
28	14.25	0.29	6549.29	459.6	7.125	7.19	265.86	37.31	28.5	0.29	13107.2	459.9	14.25	0.35	5404.05	379.23
32	16.25	0.29	7430.22	457.24	8.125	8.19	266.26	32.77	32.5	0.29	14894.55	458.29	16.25	0.37	5967.73	367.24
40	20.25	0.3	9098.52	449.31	10.125	10.2	266.51	26.32	40.5	0.29	18569.01	458.49	20.25	0.4	6833.59	337.46
48	24.25	0.34	9499.57	391.73	12.125	12.21	266.62	21.99	48.5	0.34	19401.41	400.03	24.25	0.43	7506.97	309.57
56	28.25	0.4	9581.84	339.18	14.125	14.22	266.7	18.88	56.5	0.39	19424.44	343.8	28.25	0.48	7980.14	282.48
64	32.25	0.45	9630.24	298.61	16.125	16.23	266.76	16.54	64.5	0.44	19630.84	304.35	32.25	0.52	8275.7	256.61
80	40.25	0.55	9812.31	243.78	20.125	20.25	266.8	13.26	80.5	0.55	19750.89	245.35	40.25	0.62	8669.92	215.4
96	48.25	0.65	9894.16	205.06	24.125	20.64	313.77	13.01	96.5	0.54	23951.14	248.2	48.25	0.61	10682.81	221.41
128	64.25	0.72	12028.93	187.22	32.125	26.56	324.62	10.11	128.5	0.71	24197.18	188.3	64.25	0.78	11027.71	171.64
192	96.25	1.06	12179.5	126.54	48.125	39.78	324.71	6.75	192.5	1.06	24395.8	126.73	96.25	1.14	11304.37	117.45
256	128.25	1.42	12120.49	94.51	64.125	53.01	324.75	5.06	256.5	1.42	24209.89	94.39	128.25	1.5	11455.82	89.32