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mixbench/read-only (v0.03-1-g3ace732)
----- Device specifications -----
Device:          TITAN RTX
CUDA driver version: 10.20
GPU clock rate:  1770 MHz
Memory clock rate: 3500 MHz
Memory bus width: 384 bits
WarpSize:       32
L2 cache size:  6144 KB
Total global mem: 24220 MB
ECC enabled:    No
Compute Capability: 7.5
Total SPs:      4608 (72 MPs x 64 SPs/MP)
Compute throughput: 16312.32 GFlops (theoretical single precision FMAs)
Memory bandwidth: 672.10 GB/sec
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Total GPU memory 25396838400, free 25214058496
Buffer size:     256MB
Trade-off type:  compute with global memory (block strided)
Elements per thread: 8
Thread fusion degree: 4

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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	0.23	147.5	590	0.125	0.44	75.49	603.93	0.5	0.22	299.42	598.84	0.25	0.22	149.8	599.19
1	0.75	0.22	448.05	597.39	0.375	0.45	224.29	598.12	1.5	0.22	901.48	600.99	0.75	0.22	450.03	600.04
2	1.25	0.22	746.32	597.05	0.625	0.54	312.75	500.39	2.5	0.23	1490.73	596.29	1.25	0.23	743.57	594.85
3	1.75	0.22	1046.48	597.99	0.875	0.74	316.86	362.12	3.5	0.22	2096.85	599.1	1.75	0.22	1050.68	600.39
4	2.25	0.23	1333.88	592.83	1.125	0.95	319.17	283.71	4.5	0.22	2695.18	598.93	2.25	0.22	1350.1	600.04
5	2.75	0.23	1639.33	596.12	1.375	1.15	320.42	233.04	5.5	0.22	3304.97	600.9	2.75	0.22	1647.06	598.93
6	3.25	0.23	1937.39	596.12	1.625	1.36	321.5	197.84	6.5	0.22	3900.28	600.04	3.25	0.22	1948.47	599.53
7	3.75	0.22	2252.42	600.65	1.875	1.56	321.87	171.67	7.5	0.22	4483.65	597.82	3.75	0.23	2234.18	595.78
8	4.25	0.22	2537.12	596.97	2.125	1.77	322.74	151.88	8.5	0.22	5075.68	597.14	4.25	0.25	2319.25	545.71
9	4.75	0.23	2829.16	595.61	2.375	1.97	322.94	135.98	9.5	0.23	5661.54	595.95	4.75	0.22	2849.8	599.96
10	5.25	0.22	3133.2	596.8	2.625	2.18	323.43	123.21	10.5	0.23	6256.6	595.87	5.25	0.22	3144.83	599.02
11	5.75	0.22	3436.48	597.65	2.875	2.38	323.76	112.61	11.5	0.22	6860.26	596.54	5.75	0.22	3430.62	596.63
12	6.25	0.23	3724.69	595.95	3.125	2.59	324.05	103.7	12.5	0.22	7465.3	597.22	6.25	0.25	3301.15	528.18
13	6.75	0.23	4021.53	595.78	3.375	2.85	317.79	94.16	13.5	0.22	8105.23	600.39	6.75	0.22	4027.25	596.63
14	7.25	0.23	4316.35	595.36	3.625	3.07	317.18	87.5	14.5	0.22	8683.24	598.84	7.25	0.22	4343.48	599.1
15	7.75	0.23	4616.65	595.7	3.875	3.28	317.46	81.93	15.5	0.22	9280.76	598.76	7.75	0.22	4643.03	599.1
16	8.25	0.23	4915.2	595.78	4.125	3.49	317.73	77.03	16.5	0.23	9830.4	595.78	8.25	0.26	4280.96	518.9
17	8.75	0.23	5206.44	595.02	4.375	3.7	317.72	72.62	17.5	0.23	10426.18	595.78	8.75	0.23	5171.95	591.08
18	9.25	0.23	5466.72	591	4.625	3.91	317.61	68.67	18.5	0.23	11034.5	596.46	9.25	0.23	5507.07	595.36
20	10.25	0.23	6059.42	591.16	5.125	4.33	317.83	62.02	20.5	0.23	12220.47	596.12	10.25	0.27	5134.55	500.93
22	11.25	0.23	6688.29	594.52	5.625	4.75	317.95	56.52	22.5	0.23	13303.05	591.25	11.25	0.23	6664.68	592.42
24	12.25	0.23	7266.33	593.17	6.125	5.17	317.97	51.91	24.5	0.23	14471.26	590.66	12.25	0.28	5946.79	485.45
28	14.25	0.23	8418.15	590.75	7.125	6.01	318.46	44.7	28.5	0.23	16669.6	584.9	14.25	0.29	6654.29	466.97
32	16.25	0.23	9579.4	589.5	8.125	6.85	318.5	39.2	32.5	0.23	19025.11	585.39	16.25	0.3	7320.1	450.47
40	20.25	0.25	10925.48	539.53	10.125	8.53	318.58	31.46	40.5	0.24	22670.4	559.76	20.25	0.33	8283.88	409.08
48	24.25	0.29	11267.52	464.64	12.125	10.21	318.92	26.3	48.5	0.28	23029.97	474.84	24.25	0.37	8908.03	367.34
56	28.25	0.33	11398.66	403.49	14.125	11.89	318.86	22.57	56.5	0.33	22985.27	406.82	28.25	0.41	9272.9	328.24
64	32.25	0.38	11464.22	355.48	16.125	13.57	318.86	19.77	64.5	0.36	23894.42	370.46	32.25	0.44	9755.95	302.51
80	40.25	0.45	11890.46	295.42	20.125	16.56	326.22	16.21	80.5	0.45	24019.45	298.38	40.25	0.53	10163.19	252.5
96	48.25	0.54	12030.39	249.33	24.125	19.85	326.23	13.52	96.5	0.54	24138.26	250.14	48.25	0.62	10369.7	214.92
128	64.25	0.71	12085.03	188.09	32.125	26.42	326.36	10.16	128.5	0.71	24233.09	188.58	64.25	0.82	10578.79	164.65
192	96.25	1.06	12201.22	126.77	48.125	39.57	326.5	6.78	192.5	1.06	24446.77	127	96.25	1.2	10754.2	111.73
256	128.25	1.42	12163.79	94.84	64.125	37.78	455.63	7.11	256.5	0.99	34767.29	135.54	128.25	1.11	15560.75	121.33