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mixbench/read-only (v0.03)
----- Device specifications -----
Device:      Tesla P100-PCIe-12GB
CUDA driver version: 8.0
GPU clock rate: 1328 MHz
Memory clock rate: 357 MHz
Memory bus width: 3072 bits
WarpSize:    32
L2 cache size: 3072 KB
Total global mem: 12225 MB
ECC enabled:  Yes
Compute Capability: 6.0
Total SPs:   3584 (56 MPs x 64 SPs/MP)
Compute throughput: 9522.69 GFlops (theoretical single precision FMAs)
Memory bandwidth: 549.12 GB/sec
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Total GPU memory 12819628032, free 12510298112
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	0.31	109.75	439.01	0.125	0.6	56.26	450.11	0.5	0.3	220.45	440.9	0.25	0.31	109.55	438.18
1	0.75	0.31	329.4	439.19	0.375	0.6	168.64	449.72	1.5	0.3	661.7	441.13	0.75	0.31	329.98	439.98
2	1.25	0.3	550.14	440.12	0.625	0.6	281.65	450.64	2.5	0.3	1105.86	442.34	1.25	0.3	552.29	441.83
3	1.75	0.3	771.9	441.09	0.875	0.6	393.74	449.98	3.5	0.3	1540.24	440.07	1.75	0.3	773.69	442.11
4	2.25	0.31	989.02	439.56	1.125	0.6	505.85	449.65	4.5	0.3	1988.45	441.88	2.25	0.31	985.92	438.18
5	2.75	0.3	1215.55	442.02	1.375	0.6	618.07	449.5	5.5	0.31	2418.35	439.7	2.75	0.3	1212.48	440.9
6	3.25	0.3	1432.63	440.81	1.625	0.6	729.19	448.73	6.5	0.31	2858.95	439.84	3.25	0.31	1428.43	439.52
7	3.75	0.3	1652.86	440.76	1.875	0.6	843.72	449.98	7.5	0.3	3309.2	441.23	3.75	0.31	1640.96	437.59
8	4.25	0.31	1865.21	438.87	2.125	0.6	955.86	449.82	8.5	0.3	3746.88	440.81	4.25	0.37	1553.72	365.58
9	4.75	0.31	2089.45	439.89	2.375	0.6	1065.74	448.73	9.5	0.3	4182.86	440.3	4.75	0.31	2038.36	429.13
10	5.25	0.31	2300.47	438.18	2.625	0.6	1180.07	449.55	10.5	0.3	4627.53	440.72	5.25	0.32	2231.47	425.04
11	5.75	0.31	2517.98	437.91	2.875	0.6	1292.94	449.72	11.5	0.31	5053.38	439.42	5.75	0.32	2422.38	421.28
12	6.25	0.31	2734.37	437.5	3.125	0.6	1400.12	448.04	12.5	0.3	5514.76	441.18	6.25	0.4	2074.58	331.93
13	6.75	0.31	2957.75	438.18	3.375	0.6	1513.42	448.42	13.5	0.31	5908.09	437.64	6.75	0.34	2680.26	397.08
14	7.25	0.3	3190.51	440.07	3.625	0.6	1626.57	448.71	14.5	0.31	6377.66	439.84	7.25	0.36	2729.44	376.47
15	7.75	0.3	3416.63	440.86	3.875	0.6	1739.12	448.8	15.5	0.31	6803.95	438.96	7.75	0.38	2742.65	353.89
16	8.25	0.31	3611.25	437.73	4.125	0.6	1846.77	447.7	16.5	0.31	7226.27	437.96	8.25	0.5	2212.89	268.23
17	8.75	0.31	3830.91	437.82	4.375	0.6	1963.42	448.78	17.5	0.31	7592.87	433.88	8.75	0.43	2739.64	313.1
18	9.25	0.31	4050.25	437.86	4.625	0.6	2068.2	447.18	18.5	0.31	8072.68	436.36	9.25	0.45	2753.73	297.7
20	10.25	0.31	4476.89	436.77	5.125	0.6	2291.05	447.03	20.5	0.31	8959.39	437.04	10.25	0.61	2256.9	220.18
22	11.25	0.31	4900.91	435.64	5.625	0.6	2513.23	446.8	22.5	0.31	9807.92	435.91	11.25	0.55	2747.68	244.24
24	12.25	0.31	5316.66	434.01	6.125	0.6	2727.91	445.37	24.5	0.31	10659.8	435.09	12.25	0.72	2283.77	186.43
28	14.25	0.31	6128.88	430.1	7.125	0.6	3168.91	444.76	28.5	0.31	12211.43	428.47	14.25	0.83	2300.48	161.44
32	16.25	0.31	7003.44	430.98	8.125	0.61	3586.48	441.41	32.5	0.31	13879.94	427.08	16.25	0.94	2312.46	142.31
40	20.25	0.33	8149.55	402.45	10.125	0.62	4390.3	433.61	40.5	0.35	15410.44	380.5	20.25	1.18	2309.51	114.05
48	24.25	0.39	8424.74	347.41	12.125	0.72	4498.53	371.01	48.5	0.41	15732.69	324.39	24.25	1.39	2345.21	96.71
56	28.25	0.44	8691.98	307.68	14.125	0.84	4523.52	320.25	56.5	0.47	16053.26	284.13	28.25	1.63	2320.81	82.15
64	32.25	0.5	8737	270.91	16.125	0.95	4560.26	282.81	64.5	0.53	16423.79	254.63	32.25	1.83	2358.9	73.14
80	40.25	0.61	8899.82	221.11	20.125	1.18	4592.39	228.19	80.5	0.64	16966.91	210.77	40.25	2.28	2367.29	58.81
96	48.25	0.72	8977.69	186.07	24.125	1.41	4606.66	190.95	96.5	0.75	17297.76	179.25	48.25	2.76	2348.2	48.67
128	64.25	0.95	9083.63	141.38	32.125	1.88	4576.45	142.46	128.5	0.98	17585.75	136.85	64.25	3.71	2324	36.17
192	96.25	1.45	8905.84	92.53	48.125	2.81	4595.41	95.49	192.5	1.48	17493.68	90.88	96.25	5.48	2358.25	24.5
256	128.25	2.18	7908.6	61.67	64.125	4.93	3493.19	54.47	256.5	2.17	15856.84	61.82	128.25	7.29	2360.82	18.41