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mixbench/read-only (v0.03-13-gf65df9d)
----- Device specifications -----
Device: GeForce RTX 3090
CUDA driver version: 11.10
GPU clock rate: 1695 MHz
Memory clock rate: 4875 MHz
Memory bus width: 384 bits
WarpSize: 32
L2 cache size: 6144 KB
Total global mem: 24268 MB
ECC enabled: No
Compute Capability: 8.6
Total SPs: 10496 (82 MPs x 128 SPs/MP)
Compute throughput: 35581.44 GFlops (theoretical single precision FMAs)
Memory bandwidth: 936.10 GB/sec
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Total GPU memory 25447170048, free 25175982080
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	0.16	212.65	850.6	0.125	0.31	109.93	879.4	0.5	0.16	431.16	862.32	0.25	0.16	214.17	856.68
1	0.75	0.16	647.67	863.56	0.375	0.31	323.37	862.32	1.5	0.16	1286.86	857.91	0.75	0.15	651.42	868.57
2	1.25	0.15	1085.03	868.03	0.625	0.38	446.43	714.29	2.5	0.16	2155.79	862.32	1.25	0.16	1070.85	856.68
3	1.75	0.15	1519.05	868.03	0.875	0.52	451.53	516.03	3.5	0.15	3037.46	867.85	1.75	0.16	1509.05	862.32
4	2.25	0.15	1953.06	868.03	1.125	0.66	455.81	405.17	4.5	0.15	3907.74	868.39	2.25	0.15	1953.06	868.03
5	2.75	0.15	2387.07	868.03	1.375	0.81	457.49	332.72	5.5	0.15	4774.15	868.03	2.75	0.16	2371.37	862.32
6	3.25	0.16	2802.53	862.32	1.625	0.95	459.03	282.48	6.5	0.16	5614.29	863.74	3.25	0.16	2713.27	834.85
7	3.75	0.16	3233.68	862.32	1.875	1.09	460.22	245.45	7.5	0.16	6467.37	862.32	3.75	0.15	3255.1	868.03
8	4.25	0.16	3664.84	862.32	2.125	1.24	461.14	217.01	8.5	0.15	7378.23	868.03	4.25	0.16	3548.13	834.85
9	4.75	0.15	4123.13	868.03	2.375	1.38	461.52	194.32	9.5	0.15	8239.43	867.31	4.75	0.15	4124.83	868.39
10	5.25	0.15	4557.14	868.03	2.625	1.52	462.14	176.05	10.5	0.15	9114.28	868.03	5.25	0.16	4534.62	863.74
11	5.75	0.15	4991.15	868.03	2.875	1.67	462.65	160.92	11.5	0.15	9976.11	867.49	5.75	0.15	4985.99	867.13
12	6.25	0.16	5389.47	862.32	3.125	1.81	463.09	148.19	12.5	0.16	10649.77	851.98	6.25	0.16	5161.33	825.81
13	6.75	0.15	5859.18	868.03	3.375	1.95	463.7	137.39	13.5	0.16	11648.45	862.85	6.75	0.15	5859.18	868.03
14	7.25	0.15	6301.02	869.11	3.625	2.1	464	128	14.5	0.16	12421.86	856.68	7.25	0.16	6251.79	862.32
15	7.75	0.16	6682.95	862.32	3.875	2.24	464.22	119.8	15.5	0.16	13278.54	856.68	7.75	0.16	6596.16	851.12
16	8.25	0.15	7161.22	868.03	4.125	2.38	464.33	112.56	16.5	0.16	14228.21	862.32	8.25	0.16	6758.4	819.2
17	8.75	0.15	7593.66	867.85	4.375	2.53	464.65	106.21	17.5	0.16	14816.37	846.65	8.75	0.16	7535.97	861.25
18	9.25	0.16	7976.42	862.32	4.625	2.67	464.88	100.52	18.5	0.16	15975.83	863.56	9.25	0.16	7872.83	851.12
20	10.25	0.16	8780.97	856.68	5.125	2.96	465.05	90.74	20.5	0.16	17677.47	862.32	10.25	0.16	8344.65	814.11
22	11.25	0.16	9578.95	851.46	5.625	3.25	465.31	82.72	22.5	0.16	19402.11	862.32	11.25	0.16	9637.65	856.68
24	12.25	0.16	10563.37	862.32	6.125	3.53	465.54	76.01	24.5	0.16	21001.52	857.21	12.25	0.17	9796.04	799.68
28	14.25	0.16	12215.17	857.21	7.125	4.11	465.66	65.36	28.5	0.16	24256.83	851.12	14.25	0.17	11184.29	784.86
32	16.25	0.16	13921.05	856.68	8.125	4.68	465.97	57.35	32.5	0.16	27339.53	841.22	16.25	0.18	12311.68	757.64
40	20.25	0.16	17461.9	862.32	10.125	5.83	466.31	46.06	40.5	0.17	31410.74	775.57	20.25	0.2	13681.49	675.63
48	24.25	0.16	20911.16	862.32	12.125	6.98	466.53	38.48	48.5	0.2	32937.78	679.13	24.25	0.23	14253.35	587.77
56	28.25	0.16	24201.2	856.68	14.125	8.12	466.87	33.05	56.5	0.23	33208.83	587.77	28.25	0.26	14520.72	514.01
64	32.25	0.16	27096.62	840.21	16.125	9.27	466.99	28.96	64.5	0.26	33548.19	520.13	32.25	0.29	14677.33	455.11
80	40.25	0.17	31182.26	774.71	20.125	11.57	467.12	23.21	80.5	0.32	33696.75	418.59	40.25	0.36	14897.7	370.13
96	48.25	0.2	32599.09	675.63	24.125	13.48	480.45	19.92	96.5	0.33	39638.66	410.76	48.25	0.37	17422.1	361.08
128	64.25	0.23	37764.02	587.77	32.125	15.87	543.46	16.92	128.5	0.43	40113.73	312.17	64.25	0.49	17581.16	273.64
192	96.25	0.33	38698.4	402.06	48.125	23.76	543.73	11.3	192.5	0.63	40761.49	211.75	96.25	0.72	17851.06	185.47
256	128.25	0.46	37522.29	292.57	64.125	31.66	543.61	8.48	256.5	0.85	40360.11	157.35	128.25	0.96	17984.6	140.23