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mixbench (v0.04-3-gd5a4883)
----- Device specifications -----
Device:      NVIDIA RTX A6000
CUDA driver version: 12.0
GPU clock rate: 1800 MHz
Memory clock rate: 4000 MHz
Memory bus width: 384 bits
WarpSize:    32
L2 cache size: 6144 KB
Total global mem: 48676 MB
ECC enabled:  No
Compute Capability: 8.6
Total SPs:    10752 (84 MPs x 128 SPs/MP)
Compute throughput: 38707.20 GFlops (theoretical single precision FMAs)
Memory bandwidth: 768.10 GB/sec

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Total GPU memory 51041271808, free 50765758464
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	0.2	166.34	665.34	0.125	0.38	87.38	699.05	0.5	0.2	343.57	687.14	0.25	0.19	172.49	689.97
1	0.75	0.2	514.68	686.24	0.375	0.39	260.09	693.56	1.5	0.19	1034.78	689.85	0.75	0.19	517.39	689.85
2	1.25	0.2	857.94	686.35	0.625	0.39	427.78	684.45	2.5	0.19	1733.76	693.5	1.25	0.19	863.45	690.76
3	1.75	0.2	1188.48	679.13	0.875	0.48	487	556.57	3.5	0.19	2425.25	692.93	1.75	0.2	1189.83	679.9
4	2.25	0.2	1544.04	686.24	1.125	0.62	490.7	436.18	4.5	0.19	3120.76	693.5	2.25	0.19	1560.38	693.5
5	2.75	0.19	1897.09	689.85	1.375	0.75	493.76	359.1	5.5	0.19	3814.26	693.5	2.75	0.2	1839.02	668.73
6	3.25	0.2	2232.84	687.03	1.625	0.88	494.18	304.11	6.5	0.19	4484.04	689.85	3.25	0.2	2184.53	672.16
7	3.75	0.19	2586.95	689.85	1.875	1.01	497.49	265.33	7.5	0.19	5180.71	690.76	3.75	0.2	2509.36	669.16
8	4.25	0.19	2947.39	693.5	2.125	1.14	498.75	234.71	8.5	0.2	5837.82	686.8	4.25	0.2	2842.12	668.73
9	4.75	0.19	3280.58	690.65	2.375	1.28	499.67	210.39	9.5	0.2	6455.91	679.57	4.75	0.2	3179.53	669.38
10	5.25	0.19	3621.73	689.85	2.625	1.41	500.09	190.51	10.5	0.19	7250.61	690.53	5.25	0.2	3514.22	669.38
11	5.75	0.19	3968.61	690.19	2.875	1.54	501.11	174.3	11.5	0.19	7933.31	689.85	5.75	0.2	3846.45	668.95
12	6.25	0.19	4311.58	689.85	3.125	1.67	501.35	160.43	12.5	0.19	8634.52	690.76	6.25	0.2	4119.17	659.07
13	6.75	0.2	4637.44	687.03	3.375	1.81	501.55	148.61	13.5	0.19	9313.01	689.85	6.75	0.2	4537.11	672.16
14	7.25	0.2	4975.25	686.24	3.625	1.94	502.26	138.55	14.5	0.19	10002.86	689.85	7.25	0.2	4848.33	668.73
15	7.75	0.2	5319.24	686.35	3.875	2.07	502.38	129.65	15.5	0.19	10692.72	689.85	7.75	0.2	5185.17	669.05
16	8.25	0.2	5602.82	679.13	4.125	2.2	502.74	121.88	16.5	0.19	11371.35	689.17	8.25	0.2	5517.06	668.73
17	8.75	0.19	6036.21	689.85	4.375	2.33	503.07	114.99	17.5	0.19	12072.42	689.85	8.75	0.2	5851.43	668.73
18	9.25	0.19	6381.14	689.85	4.625	2.47	503.08	108.77	18.5	0.19	12762.27	689.85	9.25	0.2	6185.8	668.73
20	10.25	0.2	7004.17	683.33	5.125	2.73	503.37	98.22	20.5	0.19	14141.98	689.85	10.25	0.2	6793.87	662.82
22	11.25	0.2	7720.21	686.24	5.625	3	503.78	89.56	22.5	0.2	15280.41	679.13	11.25	0.2	7485.08	665.34
24	12.25	0.19	8450.69	689.85	6.125	3.26	504.12	82.31	24.5	0.2	16660.25	680.01	12.25	0.2	8192	668.73
28	14.25	0.19	9830.4	689.85	7.125	3.79	504.26	70.77	28.5	0.2	19456	682.67	14.25	0.2	9442.15	662.61
32	16.25	0.2	11151.41	686.24	8.125	4.32	504.72	62.12	32.5	0.2	22186.67	682.67	16.25	0.2	10757.17	661.98
40	20.25	0.2	13896.38	686.24	10.125	5.38	505.18	49.89	40.5	0.2	27504.75	679.13	20.25	0.21	13200.91	651.9
48	24.25	0.2	16554.67	682.67	12.125	6.44	505.57	41.7	48.5	0.2	32475.05	669.59	24.25	0.22	14796.61	610.17
56	28.25	0.2	19411.71	687.14	14.125	7.5	505.78	35.81	56.5	0.22	34615.57	612.66	28.25	0.25	15428.27	546.13
64	32.25	0.2	22044.7	683.56	16.125	8.56	505.93	31.38	64.5	0.24	35975.08	557.75	32.25	0.28	15655.82	485.45
80	40.25	0.2	27194.06	675.63	20.125	10.67	506.15	25.15	80.5	0.3	36501.78	453.44	40.25	0.34	15799.79	392.54
96	48.25	0.2	32266.45	668.73	24.125	12.79	506.22	20.98	96.5	0.35	36775.42	381.09	48.25	0.4	16051.33	332.67
128	64.25	0.24	35258.93	548.78	32.125	16.92	509.59	15.86	128.5	0.43	39911.73	310.6	64.25	0.5	17081.9	265.87
192	96.25	0.36	35855.92	372.53	48.125	24	538.17	11.18	192.5	0.65	39485.7	205.12	96.25	0.75	17258.11	179.31
256	128.25	0.47	36306.66	283.09	64.125	32.02	537.56	8.38	256.5	0.86	39881.34	155.48	128.25	0.99	17370.73	135.44