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mixbench/alternating (v0.03-21-gd04caf3)
----- Device specifications -----
Device:          NVIDIA RTX A5000
CUDA driver version: 11.50
GPU clock rate:  1695 MHz
Memory clock rate: 4000 MHz
Memory bus width: 384 bits
WarpSize:       32
L2 cache size:  6144 KB
Total global mem: 24256 MB
ECC enabled:    No
Compute Capability: 8.6
Total SPs:      8192 (64 MPs x 128 SPs/MP)
Compute throughput: 27770.88 GFlops (theoretical single precision FMAs)
Memory bandwidth: 768.10 GB/sec

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Total GPU memory 25434652672, free 25221005312
Buffer size:      64MB
Trade-off type:   compute with global memory (block strided)

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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	3.36	0	2556.63	0	23.56	0	729.13	0	3.4	0	2523.65	0	3.37	0	2551.28
1	0.129	3.32	323.73	2508.94	0.065	22.28	48.19	746.88	0.258	3.15	682.22	2643.61	0.129	3.13	343.46	2661.8
2	0.267	2.97	722.41	2709.03	0.133	21.36	100.52	753.87	0.533	3.26	1316.89	2469.17	0.267	3.07	698.82	2620.57
3	0.414	2.92	1104.58	2669.39	0.207	18.41	174.95	845.58	0.828	2.92	2204.43	2663.69	0.414	2.93	1099.14	2656.25
4	0.571	2.76	1556.91	2724.58	0.286	18.41	233.26	816.42	1.143	2.82	3046.04	2665.29	0.571	2.78	1547.71	2708.5
5	0.741	2.72	1971.01	2660.86	0.37	17.96	298.93	807.11	1.481	2.72	3953.91	2668.89	0.741	2.72	1971.7	2661.8
6	0.923	2.56	2519.61	2729.57	0.462	14.78	435.97	944.6	1.846	3.97	3243.02	1756.64	0.923	2.44	2639.03	2858.95
7	1.12	2.32	3235.28	2888.64	0.56	16.16	465.24	830.78	2.24	2.31	6515.79	2908.83	1.12	2.3	3263.87	2914.17
8	1.333	2.17	3956.89	2967.67	0.667	18.23	471.3	706.94	2.667	2.82	6101.36	2288.01	1.333	3.1	2770.35	2077.76
9	1.565	2.12	4568.48	2918.75	0.783	20.45	472.59	603.87	3.13	2.2	8795.14	2809.56	1.565	2.57	3764.33	2404.99
10	1.818	1.98	5436.29	2989.96	0.909	22.66	473.91	521.3	3.636	2.83	7579.15	2084.27	1.818	3.09	3474.69	1911.08
11	2.095	1.94	6074.1	2899	1.048	24.8	476.19	454.55	4.19	2	11836.16	2824.54	2.095	2.53	4669.77	2228.75
12	2.4	1.8	7153.45	2980.6	1.2	26.91	478.8	399	4.8	2.73	9453.84	1969.55	2.4	2.86	4503.55	1876.48
13	2.737	1.76	7938.55	2900.63	1.368	29.1	479.69	350.55	5.474	2.42	11537.44	2107.8	2.737	2.41	5783.41	2113.17
14	3.111	1.67	9006.17	2894.84	1.556	31.38	479.08	307.98	6.222	2.68	11210.43	1801.68	3.111	2.62	5738.95	1844.66
15	3.529	1.58	10212.16	2893.45	1.765	33.59	479.48	271.7	7.059	2.17	14824.35	2100.12	3.529	1.98	8149.55	2309.04
16	4	3.63	4737.99	1184.5	2	35.73	480.83	240.42	8	4.37	7856.34	982.04	4	4.83	3559.89	889.97
17	4.533	1.92	9486.85	2092.69	2.267	37.99	480.43	211.95	9.067	3.35	10892.63	1201.39	4.533	3.03	6028.34	1329.78
18	5.143	3.1	6227.17	1210.84	2.571	40.14	481.52	187.26	10.286	3.61	10702.79	1040.55	5.143	4.09	4720.07	917.79
19	5.846	2.25	9060	1549.74	2.923	42.35	481.77	164.81	11.692	2.93	13942.95	1192.49	5.846	2.74	7442.44	1273.05
20	6.667	2.56	8396.16	1259.42	3.333	44.54	482.16	144.65	13.333	3.12	13778.92	1033.42	6.667	3.38	6351.16	952.67
21	7.636	2.24	10064.03	1317.91	3.818	46.78	482.06	126.25	15.273	2.67	16893.05	1106.09	7.636	2.63	8571.47	1122.45
22	8.8	3.29	7182.03	816.14	4.4	48.99	482.18	109.59	17.6	3.52	13431.54	763.16	8.8	3.66	6453.23	733.32
23	10.222	2.42	10210.93	998.89	5.111	51.2	482.35	94.37	20.444	2.7	18277.78	894.02	10.222	2.64	9358.65	915.52
24	12	2.99	8612.53	717.71	6	53.43	482.29	80.38	24	3.06	16816.45	700.69	12	3.11	8291.87	690.99
25	14.286	2.39	11231.53	786.21	7.143	55.63	482.55	67.56	28.571	2.47	21772.76	762.05	14.286	2.24	11970.05	837.9
26	17.333	2.23	12528.94	722.82	8.667	57.83	482.73	55.7	34.667	1.91	29252.12	843.81	17.333	2.05	13638.31	786.83
27	21.6	1.67	17390.39	805.11	10.8	60.01	483.07	44.73	43.2	2	28933.62	669.76	21.6	2.1	13795.16	638.66
28	28	1.59	18907.71	675.28	14	62.24	483.08	34.51	56	2.02	29717.2	530.66	28	2.13	14088.35	503.16
29	38.667	1.15	27174.89	702.8	19.333	64.44	483.24	25	77.333	2.1	29721.4	384.33	38.667	2.2	14143.58	365.78
30	60	1.15	27955.81	465.93	30	66.64	483.37	16.11	120	2.16	29805.85	248.38	60	2.24	14365.08	239.42
31	124	1.12	29767.27	240.06	62	68.84	483.55	7.8	248	2.16	30796.64	124.18	124	2.2	15099.03	121.77
32	inf	1.14	30066.7	0	inf	71.04	483.66	0	inf	2.23	30868.84	0	inf	2.26	15176.99	0