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mixbench/alternating (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: 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	6.74	0	1275.25	0	18.12	0	948.31	0	6.75	0	1272.54	0	6.68	0	1286
1	0.129	6.66	161.24	1249.65	0.065	17.92	59.92	928.74	0.258	6.66	322.5	1249.68	0.129	6.75	159.19	1233.71
2	0.267	6.5	330.3	1238.62	0.133	17.38	123.54	926.59	0.533	6.47	663.97	1244.95	0.267	6.43	334.21	1253.28
3	0.414	5.7	564.66	1364.6	0.207	16.69	193	932.84	0.828	5.7	1130.95	1366.56	0.414	5.67	568.33	1373.47
4	0.571	5.48	783.56	1371.23	0.286	16.3	263.49	922.23	1.143	5.48	1567.67	1371.71	0.571	5.58	769.07	1345.87
5	0.741	4.83	1112.2	1501.47	0.37	15.8	339.76	917.36	1.481	4.96	2164.24	1460.86	0.741	4.93	1087.96	1468.75
6	0.923	4.65	1385.48	1500.93	0.462	15.35	419.6	909.13	1.846	4.78	2693.84	1459.16	0.923	4.84	1329.89	1440.71
7	1.12	4.16	1807.46	1613.8	0.56	14.36	523.47	934.76	2.24	4.26	3532.31	1576.92	1.12	4.19	1795.51	1603.13
8	1.333	3.92	2191.38	1643.54	0.667	16.38	524.35	786.53	2.667	4.03	4267.99	1600.5	1.333	4.23	2033.11	1524.83
9	1.565	3.42	2827.2	1806.26	0.783	16.14	598.69	765	3.13	3.58	5401.94	1725.62	1.565	3.5	2758.6	1762.44
10	1.818	3.29	3261.51	1793.83	0.909	17.43	615.91	677.5	3.636	3.34	6425.1	1766.9	1.818	3.56	3019.22	1660.57
11	2.095	2.74	4311.9	2057.95	1.048	19.13	617.31	589.26	4.19	3	7867.9	1877.57	2.095	2.87	4116.14	1964.52
12	2.4	2.69	4797.6	1999	1.2	20.86	617.62	514.69	4.8	2.92	8812.43	1835.92	2.4	3.22	3997.27	1665.53
13	2.737	2.35	5942.24	2171.2	1.368	22.58	618.1	451.69	5.474	2.54	10997.57	2009.17	2.737	2.37	5890.8	2152.41
14	3.111	2.3	6547.75	2104.64	1.556	24.31	618.29	397.47	6.222	2.63	11437.53	1838.17	3.111	2.83	5315.01	1708.4
15	3.529	1.92	8380.65	2374.52	1.765	25.99	619.68	351.15	7.059	2.27	14196.12	2011.12	3.529	2.03	7928.24	2246.34
16	4	3.82	4500.33	1125.08	2	27.7	620.23	310.11	8	4.29	8008.22	1001.03	4	4.58	3749.94	937.48
17	4.533	3.12	5855.62	1291.68	2.267	29.42	620.5	273.75	9.067	3.62	10093.88	1113.3	4.533	3.26	5596.79	1234.59
18	5.143	3.26	5920.44	1151.2	2.571	31.12	621.01	241.5	10.286	3.53	10944.84	1064.08	5.143	3.95	4894.8	951.77
19	5.846	2.63	7752.12	1326.02	2.923	32.84	621.14	212.49	11.692	2.9	14084.8	1204.62	5.846	2.79	7319.23	1251.97
20	6.667	2.79	7701.62	1155.24	3.333	34.56	621.45	186.44	13.333	2.95	14573.68	1093.03	6.667	3.26	6590.67	988.6
21	7.636	2.38	9479.16	1241.32	3.818	36.26	621.91	162.88	15.273	2.63	17161.09	1123.64	7.636	2.54	8864.77	1160.86
22	8.8	2.93	8074.79	917.59	4.4	38	621.71	141.3	17.6	2.99	15789.65	897.14	8.8	3.11	7600.88	863.74
23	10.222	2.34	10540.04	1031.09	5.111	39.7	622.11	121.72	20.444	2.49	19816.97	969.31	10.222	2.4	10302.11	1007.82
24	12	2.44	10547.29	878.94	6	41.42	622.08	103.68	24	2.5	20653.12	860.55	12	2.64	9750.42	812.53
25	14.286	1.96	13710.46	959.73	7.143	43.14	622.3	87.12	28.571	2.05	26135.99	914.76	14.286	2.03	13193.16	923.52
26	17.333	1.9	14697.02	847.91	8.667	44.84	622.6	71.84	34.667	2.07	27019.8	779.42	17.333	2.01	13874.29	800.44
27	21.6	1.41	20620.21	954.64	10.8	46.54	622.88	57.67	43.2	1.54	37722.02	873.19	21.6	1.53	18966.04	878.06
28	28	1.43	21001.52	750.05	14	48.26	623.02	44.5	56	1.57	38304.15	684	28	1.74	17292.92	617.6
29	38.667	0.88	35493.09	917.92	19.333	49.98	623.04	32.23	77.333	1.63	38249.94	494.61	38.667	1.61	19368.6	500.91
30	60	0.9	35787.58	596.46	30	51.7	623.11	20.77	120	1.68	38386.68	319.89	60	1.84	17485.98	291.43
31	124	0.87	38423	309.86	62	53.4	623.37	10.05	248	1.69	39456.34	159.1	124	1.67	19893.42	160.43
32	inf	0.88	38881.15	0	inf	55.11	623.53	0	inf	1.73	39644.88	0	inf	1.75	19656.96	0