mixbench/alternating (v0.03-1-g3ace732)

---------- Device specifications ----------

Device: TITAN RTX

CUDA driver version: 10.20

GPU clock rate: 1770 MHz

Memory clock rate: 3500 MHz

Memory bus width: 384 bits

WarpSize: 32

L2 cache size: 6144 KB

Total global mem: 24220 MB

ECC enabled: No

Compute Capability: 7.5

Total SPs: 4608 (72 MPs x 64 SPs/MP)

Compute throughput: 16312.32 GFlops (theoretical single precision FMAs)

Memory bandwidth: 672.10 GB/sec

Total GPU memory 25396838400, free 25214058496

Buffer size: 64MB

Trade-off type: compute with global memory (block strided)

	Single Precision ops				Double precision ops				Half precision ops				Integer operations			
Compute iters	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Iops/byte	ex.time	GIOPS	GB/sec
0	0	11.73	0	732.12	0	28.24	0	608.44	0	11.39	0	754.23	0	11.6	0	740.52
1	0.129	11.14	96.38	746.92	0.065	27.92	38.46	596.13	0.258	11.21	191.59	742.41	0.129	11.16	96.18	745.43
2	0.267	10.72	200.42	751.57	0.133	26.74	80.31	602.32	0.533	10.72	400.61	751.14	0.267	10.62	202.12	757.94
3	0.414	10.06	320.3	774.06	0.207	26.1	123.41	596.5	0.828	10.1	637.87	770.77	0.414	10.1	318.78	770.38
4	0.571	9.45	454.49	795.35	0.286	25.45	168.77	590.71	1.143	9.39	914.81	800.46	0.571	9.45	454.62	795.58
5	0.741	8.71	616.7	832.55	0.37	24.35	220.47	595.28	1.481	8.73	1230.18	830.37	0.741	8.73	614.76	829.93
6	0.923	8.01	804.8	871.87	0.462	23.72	271.6	588.48	1.846	8.03	1605.37	869.58	0.923	8.03	801.88	868.7
7	1.12	7.21	1043.14	931.37	0.56	22.22	338.28	604.08	2.24	7.21	2083.63	930.19	1.12	7.24	1038.49	927.22
8	1.333	6.43	1335.43	1001.57	0.667	22.08	388.97	583.46	2.667	6.45	2662.3	998.36	1.333	6.42	1337.85	1003.39
9	1.565	5.64	1714.56	1095.41	0.783	18.37	525.93	672.02	3.13	5.66	3415.56	1091.08	1.565	5.72	1689.13	1079.17
10	1.818	4.79	2239.59	1231.77	0.909	20.4	526.23	578.85	3.636	4.84	4435.75	1219.83	1.818	4.83	2223.44	1222.89
11	2.095	4.12	2863.32	1366.58	1.048	22.44	526.31	502.39	4.19	4.16	5679.4	1355.31	2.095	4.15	2847.08	1358.84
12	2.4	3.58	3600.71	1500.3	1.2	24.55	524.85	437.37	4.8	3.62	7117.47	1482.81	2.4	3.63	3548.57	1478.57
13	2.737	3.18	4393.98	1605.49	1.368	26.73	522.28	381.67	5.474	3.15	8863.22	1619.24	2.737	3.15	4432.55	1619.59
14	3.111	2.72	5526.74	1776.45	1.556	28.76	522.6	335.96	6.222	2.76	10883.57	1749.15	3.111	2.73	5506.4	1769.91
15	3.529	2.39	6727.39	1906.09	1.765	30.8	522.99	296.36	7.059	2.36	13651.48	1933.96	3.529	2.39	6733.87	1907.93
16	4	5.91	2904.66	726.16	2	32.68	525.67	262.83	8	6	5727.17	715.9	4	6.11	2812.09	703.02
17	4.533	4.97	3670.9	809.76	2.267	34.67	526.5	232.28	9.067	4.98	7333.45	808.84	4.533	4.97	3669.39	809.42
18	5.143	4.7	4113.8	799.91	2.571	36.73	526.24	204.65	10.286	4.7	8231.07	800.24	5.143	4.77	4055.49	788.57
19	5.846	3.64	5602.82	958.38	2.923	38.73	526.77	180.21	11.692	3.65	11182.06	956.36	5.846	3.61	5648.54	966.2
20	6.667	3.27	6561.35	984.2	3.333	40.76	526.89	158.07	13.333	3.28	13087.9	981.59	6.667	3.37	6381.23	957.18
21	7.636	2.78	8119.04	1063.21	3.818	42.78	527.06	138.04	15.273	2.77	16287.62	1066.45	7.636	2.78	8114.36	1062.6
22	8.8	3.8	6220.91	706.92	4.4	44.82	527.07	119.79	17.6	3.76	12579.84	714.76	8.8	3.79	6224.79	707.36
23	10.222	2.61	9475.16	926.92	5.111	46.82	527.44	103.19	20.444	2.58	19155.88	936.97	10.222	2.57	9605.83	939.7
24	12	3.29	7823.83	651.99	6	48.86	527.42	87.9	24	3.29	15654.19	652.26	12	3.33	7733.22	644.43
25	14.286	2.6	10320.88	722.46	7.143	50.9	527.39	73.83	28.571	2.6	20640.24	722.41	14.286	2.61	10281.29	719.69
26	17.333	2.42	11554.71	666.62	8.667	52.91	527.62	60.88	34.667	2.43	23006.73	663.66	17.333	2.48	11256.68	649.42
27	21.6	1.77	16339.97	756.48	10.8	54.92	527.91	48.88	43.2	1.76	32878	761.06	21.6	1.81	16045.37	742.84
28	28	1.83	16407.18	585.97	14	56.97	527.7	37.69	56	1.82	32988.91	589.09	28	1.9	15855.07	566.25
29	38.667	1.9	16362.24	423.16	19.333	58.99	527.89	27.3	77.333	1.9	32831.02	424.54	38.667	1.9	16346.84	422.76
30	60	1.96	16442.88	274.05	30	60.99	528.12	17.6	120	1.95	32974.63	274.79	60	2.01	16032.25	267.2
31	124	1.98	16808.66	135.55	62	63.04	528	8.52	248	1.99	33411.09	134.72	124	1.98	16796.18	135.45
32	inf	2.04	16858.35	0	inf	65.06	528.09	0	inf	2.04	33605.37	0	inf	2.18	15783.59	0