mixbench/alternating (v0.03)
---------- Device specifications ----------
Device: GeForce RTX 2080 SUPER
CUDA driver version: 10.10
GPU clock rate: 1815 MHz
Memory clock rate: 3875 MHz
Memory bus width: 256 bits
WarpSize: 32
L2 cache size: 4096 KB
Total global mem: 7952 MB
ECC enabled: No
Compute Capability: 7.5
Total SPs: 6144 (48 MPs x 128 SPs/MP)
Compute throughput: 22302.72 GFlops (theoretical single precision FMAs)
Memory bandwidth: 496.06 GB/sec

Total GPU memory 8338604032, free 8204517376
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	16.16	0	531.66	0	39.82	0	431.41	0	16.03	0	535.81	0	16.07	0	534.45
1	0.129	15.35	69.94	542	0.065	39.21	27.39	424.48	0.258	15.34	140.04	542.64	0.129	15.33	70.06	543
2	0.267	14.8	145.15	544.31	0.133	37.46	57.33	429.95	0.533	14.88	288.59	541.11	0.267	14.89	144.25	540.93
3	0.414	14.01	229.87	555.53	0.207	36.47	88.34	426.95	0.828	13.96	461.43	557.56	0.414	13.98	230.35	556.67
4	0.571	12.93	332.2	581.34	0.286	35.09	122.4	428.39	1.143	12.89	666.39	583.09	0.571	12.96	331.51	580.15
5	0.741	11.97	448.34	605.26	0.37	34.1	157.46	425.13	1.481	11.91	901.61	608.59	0.741	11.95	449.44	606.74
6	0.923	10.94	588.87	637.94	0.462	32.58	197.76	428.47	1.846	10.93	1178.63	638.42	0.923	10.96	587.92	636.92
7	1.12	9.88	761.1	679.56	0.56	31.19	240.98	430.31	2.24	9.83	1528.52	682.37	1.12	9.83	764.26	682.38
8	1.333	8.77	979.97	734.98	0.667	23.16	370.97	556.45	2.667	8.75	1962.38	735.89	1.333	8.77	979.28	734.46
9	1.565	7.7	1254.98	801.79	0.783	25.94	372.54	476.02	3.13	7.71	2507.22	800.92	1.565	7.69	1256.5	802.76
10	1.818	6.61	1625.2	893.86	0.909	28.82	372.61	409.88	3.636	6.63	3240.17	891.05	1.818	6.7	1602.58	881.42
11	2.095	5.73	2061.83	984.06	1.048	31.7	372.62	355.69	4.19	5.7	4144.52	989.03	2.095	5.71	2069.21	987.58
12	2.4	4.82	2671.87	1113.28	1.2	34.6	372.34	310.29	4.8	4.82	5345.33	1113.61	2.4	4.86	2649.68	1104.03
13	2.737	4.24	3292.56	1203.05	1.368	37.34	373.81	273.17	5.474	4.31	6484.24	1184.62	2.737	4.29	3251.76	1188.14
14	3.111	3.56	4218.48	1355.94	1.556	40.12	374.65	240.84	6.222	3.58	8407.83	1351.26	3.111	3.56	4224.52	1357.88
15	3.529	3.3	4874.31	1381.05	1.765	43	374.56	212.25	7.059	3.29	9783.39	1385.98	3.529	3.31	4870.87	1380.08
16	4	8.28	2073.86	518.47	2	45.76	375.43	187.71	8	8.3	4140.4	517.55	4	8.48	2025.57	506.39
17	4.533	6.86	2659.87	586.74	2.267	48.59	375.69	165.75	9.067	6.85	5332.35	588.13	4.533	6.87	2657.01	586.1
18	5.143	6.42	3012.25	585.71	2.571	51.47	375.52	146.03	10.286	6.43	6012.89	584.59	5.143	6.48	2983	580.03
19	5.846	4.82	4228.63	723.32	2.923	54.28	375.82	128.57	11.692	4.85	8412.18	719.46	5.846	4.82	4231.5	723.81
20	6.667	4.35	4931.86	739.78	3.333	57.13	375.87	112.76	13.333	4.35	9882.9	741.22	6.667	4.41	4871.29	730.69
21	7.636	3.67	6136.72	803.62	3.818	59.97	376.01	98.48	15.273	3.68	12255.51	802.44	7.636	3.68	6120.09	801.44
22	8.8	5.12	4615.58	524.5	4.4	62.83	375.97	85.45	17.6	5.11	9248.86	525.5	8.8	5.16	4581.95	520.68
23	10.222	2.43	10174.04	995.29	5.111	65.63	376.27	73.62	20.444	2.41	20467.62	1001.13	10.222	2.45	10089.32	987
24	12	4.47	5768.88	480.74	6	68.46	376.44	62.74	24	4.47	11534.28	480.6	12	4.51	5719.38	476.62
25	14.286	3.46	7755.88	542.91	7.143	71.32	376.36	52.69	28.571	3.48	15430.02	540.05	14.286	3.49	7697.81	538.85
26	17.333	3.22	8669.88	500.19	8.667	74.16	376.46	43.44	34.667	3.23	17277.77	498.4	17.333	3.31	8435.49	486.66
27	21.6	2.48	11670.05	540.28	10.8	76.97	376.66	34.88	43.2	2.5	23229.69	537.72	21.6	2.52	11520.03	533.33
28	28	2.57	11715.49	418.41	14	79.84	376.54	26.9	56	2.61	23028.96	411.23	28	2.64	11388.58	406.74
29	38.667	2.68	11637.19	300.96	19.333	82.68	376.64	19.48	77.333	2.69	23179.58	299.74	38.667	2.67	11662.71	301.62
30	60	2.74	11736.42	195.61	30	85.48	376.84	12.56	120	2.76	23301.69	194.18	60	2.81	11475.52	191.26
31	124	2.78	11985.94	96.66	62	88.35	376.74	6.08	248	2.8	23777.34	95.88	124	2.79	11920.42	96.13
32	inf	2.86	12031.93	0	inf	91.19	376.81	0	inf	2.88	23898.64	0	inf	3.05	11249.85	0