mixbench/alternating (v0.03)
---------- Device specifications ----------
Device: Tesla V100-PCIE-32GB
CUDA driver version: 10.10
GPU clock rate: 1380 MHz
Memory clock rate: 438 MHz
Memory bus width: 4096 bits
WarpSize: 32
L2 cache size: 6144 KB
Total global mem: 32480 MB
ECC enabled: Yes
Compute Capability: 7.0
Total SPs: 10240 (80 MPs x 128 SPs/MP)
Compute throughput: 28262.40 GFlops (theoretical single precision FMAs)
Memory bandwidth: 898.05 GB/sec

Total GPU memory 34058272768, free 33723842560
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	9.97	0	861.52	0	20.87	0	823.22	0	9.79	0	877.29	0	9.94	0	864.27
1	0.129	9.79	109.63	849.6	0.065	20.34	52.79	818.29	0.258	9.86	217.84	844.13	0.129	9.81	109.5	848.63
2	0.267	9.26	231.86	869.47	0.133	19.59	109.6	821.98	0.533	9.24	464.79	871.49	0.267	9.26	231.88	869.56
3	0.414	8.86	363.67	878.87	0.207	18.99	169.65	819.95	0.828	8.65	745.17	900.41	0.414	8.81	365.57	883.46
4	0.571	8.51	504.49	882.85	0.286	18.55	231.49	810.2	1.143	8.55	1005.11	879.47	0.571	8.57	501.35	877.36
5	0.741	8.12	661.14	892.55	0.37	17.56	305.65	825.27	1.481	8.18	1312.85	886.18	0.741	8.24	651.94	880.12
6	0.923	7.68	838.53	908.4	0.462	16.62	387.69	840	1.846	7.72	1669.71	904.42	0.923	7.86	819.73	888.04
7	1.12	7.39	1017.05	908.08	0.56	16.55	454.15	810.99	2.24	7.48	2009.87	897.26	1.12	7.35	1023.14	913.52
8	1.333	7.01	1225.33	919	0.667	15.95	538.7	808.05	2.667	7.04	2441.39	915.52	1.333	7.06	1216.62	912.47
9	1.565	6.68	1446.31	924.03	0.783	14.2	680.55	869.59	3.13	6.75	2862.82	914.51	1.565	6.7	1442.55	921.63
10	1.818	6.29	1708.06	939.43	0.909	13.63	787.63	866.4	3.636	6.28	3422.25	941.12	1.818	6.28	1709.17	940.04
11	2.095	5.81	2031.41	969.54	1.048	12.7	929.66	887.41	4.19	5.86	4028.1	961.25	2.095	5.86	2014.73	961.58
12	2.4	5.45	2365.65	985.69	1.2	12.01	1072.8	894	4.8	5.5	4688.99	976.87	2.4	5.61	2295.31	956.38
13	2.737	5.05	2765.57	1010.5	1.368	11.11	1255.9	917.77	5.474	5.01	5568.42	1017.31	2.737	5.1	2739.45	1000.95
14	3.111	4.73	3178.19	1021.56	1.556	10.54	1426.22	916.85	6.222	4.7	6396.54	1028.02	3.111	4.78	3144.16	1010.62
15	3.529	3.64	4429.36	1254.98	1.765	9.13	1763.9	999.54	7.059	3.66	8799.24	1246.56	3.529	3.63	4438.1	1257.46
16	4	4.94	3480.75	870.19	2	10.68	1609.02	804.51	8	5.02	6838.07	854.76	4	5.1	3366.21	841.55
17	4.533	4.59	3977.2	877.32	2.267	9.61	1898.58	837.61	9.067	4.59	7957.94	877.71	4.533	4.58	3983.42	878.7
18	5.143	4.32	4474.72	870.08	2.571	9.42	2051.56	797.83	10.286	4.37	8850.82	860.5	5.143	4.45	4340.93	844.07
19	5.846	3.92	5200.46	889.55	2.923	8.27	2465.71	843.53	11.692	3.94	10365.74	886.54	5.846	3.92	5205.89	890.48
20	6.667	3.73	5759.82	863.97	3.333	7.92	2712.3	813.69	13.333	3.75	11459.85	859.49	6.667	3.82	5625.41	843.81
21	7.636	3.36	6715.49	879.41	3.818	7.12	3166.08	829.21	15.273	3.34	13484.44	882.91	7.636	3.35	6727.8	881.02
22	8.8	3.4	6948.53	789.61	4.4	6.83	3460.1	786.39	17.6	3.39	13926.15	791.26	8.8	3.43	6892.41	783.23
23	10.222	2.89	8555.25	836.93	5.111	6.15	4014.19	785.38	20.444	2.9	17056.04	834.26	10.222	2.89	8531.04	834.56
24	12	2.8	9211.5	767.63	6	5.71	4509.2	751.53	24	2.81	18349.12	764.55	12	2.85	9052.45	754.37
25	14.286	2.53	10621.72	743.52	7.143	5.21	5150.18	721.02	28.571	2.52	21269.29	744.43	14.286	2.52	10656.26	745.94
26	17.333	2.22	12563.58	724.82	8.667	4.34	6426.96	741.57	34.667	2.23	25034.87	722.16	17.333	2.52	11069.01	638.6
27	21.6	2.29	12633.45	584.88	10.8	4.51	6427.14	595.11	43.2	2.33	24922.14	576.9	21.6	2.31	12549.45	580.99
28	28	2.37	12671.61	452.56	14	4.68	6421.73	458.69	56	2.41	24923.71	445.07	28	2.65	11353.49	405.48
29	38.667	2.47	12612.49	326.18	19.333	4.86	6405.88	331.34	77.333	2.47	25204.06	325.91	38.667	2.47	12596.81	325.78
30	60	2.54	12689.5	211.49	30	4.64	6942.68	231.42	120	2.56	25206.15	210.05	60	2.83	11397.56	189.96
31	124	2.39	13945.03	112.46	62	5.13	6483.02	104.56	248	2.58	25849.59	104.23	124	2.39	13939.05	112.41
32	inf	2.46	13946.33	0	inf	6.05	5674.69	0	inf	2.66	25830.97	0	inf	2.75	12473.77	0