mixbench/alternating (v0.02-55-gf517fbe)

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

Device: GeForce GTX 1080

CUDA driver version: 8.0

GPU clock rate: 1733 MHz

Memory clock rate: 2502 MHz

Memory bus width: 256 bits

WarpSize: 32

L2 cache size: 2048 KB

Total global mem: 8113 MB

ECC enabled: No

Compute Capability: 6.1

Total SPs: 2560 (20 MPs x 128 SPs/MP)

Compute throughput: 8875.52 GFlops (theoretical single precision FMAs)

Memory bandwidth: 320.32 GB/sec

Total GPU memory 8507555840, free 8389066752

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	35.61	0	241.19	0	72.98	0	235.41	0	35.18	0	244.2	0	35.2	0	244.03
1	0.129	34.39	31.22	241.97	0.065	71.18	15.09	233.83	0.258	35.4	60.66	235.07	0.129	34.62	31.01	240.36
2	0.267	33.31	64.47	241.78	0.133	69.02	31.11	233.35	0.533	36.87	116.5	218.44	0.267	33.6	63.91	239.67
3	0.414	32.49	99.16	239.64	0.207	66.94	48.12	232.6	0.828	43.85	146.9	177.51	0.414	32.58	98.88	238.95
4	0.571	31.17	137.77	241.1	0.286	64.8	66.28	232	1.143	58.54	146.74	128.39	0.571	31.08	138.19	241.83
5	0.741	30.23	177.61	239.77	0.37	62.91	85.34	230.42	1.481	73.15	146.78	99.07	0.741	30.28	177.28	239.32
6	0.923	28.79	223.78	242.43	0.462	60.58	106.35	230.43	1.846	87.51	147.23	79.75	0.923	28.79	223.76	242.41
7	1.12	27.82	270.14	241.2	0.56	57.76	130.12	232.36	2.24	102.66	146.43	65.37	1.12	27.88	269.57	240.69
8	1.333	26.22	327.57	245.68	0.667	55.71	154.18	231.27	2.667	117.69	145.98	54.74	1.333	26.35	325.97	244.48
9	1.565	25.1	385.08	246.02	0.783	53.85	179.45	229.3	3.13	132.4	145.98	46.63	1.565	25.19	383.7	245.14
10	1.818	23.31	460.63	253.35	0.909	52.77	203.46	223.81	3.636	147.04	146.05	40.16	1.818	23.55	455.92	250.76
11	2.095	21.93	538.66	257.09	1.048	51.29	230.3	219.83	4.19	161.75	146.04	34.85	2.095	22.25	530.81	253.34
12	2.4	19.88	648.1	270.04	1.2	46.92	274.59	228.82	4.8	176.44	146.05	30.43	2.4	20.21	637.4	265.58
13	2.737	18.21	766.55	280.08	1.368	47.92	291.27	212.85	5.474	190.66	146.42	26.75	2.737	18.75	744.45	272.01
14	3.111	16.12	932.72	299.8	1.556	51.49	291.94	187.67	6.222	206.64	145.49	23.38	3.111	16.68	901.45	289.75
15	3.529	14.51	1110.34	314.6	1.765	55.15	292.07	165.5	7.059	220.47	146.11	20.7	3.529	14.92	1079.24	305.78
16	4	17.91	959.3	239.83	2	59.06	290.9	145.45	8	235.25	146.05	18.26	4	18.13	947.45	236.86
17	4.533	16.55	1102.89	243.28	2.267	63.65	286.78	126.52	9.067	249.97	146.04	16.11	4.533	16.99	1074.63	237.05
18	5.143	15.67	1233.3	239.81	2.571	66.33	291.4	113.32	10.286	264.66	146.05	14.2	5.143	16.29	1186.17	230.64
19	5.846	14.11	1446.23	247.38	2.923	70.02	291.35	99.67	11.692	279.34	146.07	12.49	5.846	14.68	1390.01	237.76
20	6.667	13.25	1621.19	243.18	3.333	73.51	292.12	87.63	13.333	295.16	145.51	10.91	6.667	13.88	1547.06	232.06
21	7.636	11.64	1937.2	253.68	3.818	77.37	291.43	76.33	15.273	308.63	146.12	9.57	7.636	12.2	1848.15	242.02
22	8.8	11.42	2067.64	234.96	4.4	81.19	290.96	66.13	17.6	323.22	146.17	8.3	8.8	12.17	1940.5	220.51
23	10.222	9.63	2565.12	250.94	5.111	84.88	290.96	56.93	20.444	337.88	146.18	7.15	10.222	10.22	2415.83	236.33
24	12	9.09	2834.04	236.17	6	88.57	290.97	48.49	24	352.59	146.18	6.09	12	9.1	2831.8	235.98
25	14.286	7.41	3623.35	253.63	7.143	93.62	286.74	40.14	28.571	367.27	146.18	5.12	14.286	8.99	2987.4	209.12
26	17.333	7.07	3950.01	227.89	8.667	95.79	291.45	33.63	34.667	383.69	145.52	4.2	17.333	9.81	2845.53	164.16
27	21.6	5.01	5789.98	268.05	10.8	99.63	290.98	26.94	43.2	396.82	146.12	3.38	21.6	9.7	2989.3	138.39
28	28	4.74	6341.28	226.47	14	104.8	286.87	20.49	56	411.25	146.21	2.61	28	10.48	2869.16	102.47
29	38.667	3.7	8417.12	217.68	19.333	106.79	291.58	15.08	77.333	425.94	146.21	1.89	38.667	10.37	3003.33	77.67
30	60	3.89	8276.53	137.94	30	112.17	287.17	9.57	120	440.66	146.2	1.22	60	11.53	2794.71	46.58
31	124	3.77	8833.56	71.24	62	115.88	287.24	4.63	248	455.28	146.22	0.59	124	10.89	3055.66	24.64
32	inf	3.9	8800.3	0	inf	117.47	292.5	0	inf	469.21	146.46	0	inf	12.41	2768.55	0