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mixbench/alternating (v0.03)
----- Device specifications -----
Device:      Tesla P100-PCIe-12GB
CUDA driver version: 8.0
GPU clock rate: 1328 MHz
Memory clock rate: 357 MHz
Memory bus width: 3072 bits
WarpSize:    32
L2 cache size: 3072 KB
Total global mem: 12225 MB
ECC enabled:  Yes
Compute Capability: 6.0
Total SPs:   3584 (56 MPs x 64 SPs/MP)
Compute throughput: 9522.69 GFlops (theoretical single precision FMAs)
Memory bandwidth: 549.12 GB/sec

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Total GPU memory 12819628032, free 12510298112
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	22.3	0	385.2	0	44.49	0	386.15	0	22.18	0	387.22	0	22.36	0	384.11
1	0.129	22.06	48.68	377.26	0.065	43.39	24.74	383.54	0.258	22.05	97.41	377.45	0.129	21.91	49.01	379.8
2	0.267	21.36	100.52	376.96	0.133	41.88	51.27	384.55	0.533	21.41	200.62	376.16	0.267	21.39	100.39	376.46
3	0.414	20.76	155.18	375.02	0.207	40.54	79.46	384.04	0.828	20.78	309.98	374.56	0.414	20.7	155.62	376.09
4	0.571	19.71	217.93	381.37	0.286	38.88	110.46	386.62	1.143	19.99	429.61	375.91	0.571	19.83	216.57	379.01
5	0.741	19.4	276.72	373.58	0.37	37.82	141.95	383.26	1.481	19.48	551.32	372.14	0.741	19.61	273.77	369.59
6	0.923	18.82	342.3	370.83	0.462	36.07	178.6	386.96	1.846	18.62	691.86	374.76	0.923	18.37	350.68	379.9
7	1.12	18.01	417.32	372.61	0.56	34.27	219.35	391.7	2.24	17.97	836.62	373.49	1.12	17.98	418.05	373.26
8	1.333	17.23	498.64	373.98	0.667	32.73	262.44	393.66	2.667	17.12	1003.67	376.38	1.333	16.92	507.74	380.8
9	1.565	16.53	584.62	373.51	0.783	32.16	300.52	383.99	3.13	16.56	1167.12	372.83	1.565	16.26	594.22	379.64
10	1.818	16.02	670.19	368.6	0.909	30.61	350.81	385.89	3.636	15.8	1358.98	373.72	1.818	15.4	697.19	383.46
11	2.095	14.91	792.18	378.09	1.048	29.46	400.89	382.67	4.19	14.87	1588.27	379.02	2.095	15.02	786.31	375.29
12	2.4	14.33	899.13	374.64	1.2	27.82	463.07	385.9	4.8	13.72	1878.78	391.41	2.4	13.95	923.68	384.87
13	2.737	13.01	1073.18	392.12	1.368	26.52	526.25	384.57	5.474	13.08	2134.94	390.04	2.737	13.13	1062.81	388.33
14	3.111	12.47	1205	387.32	1.556	25.06	599.8	385.58	6.222	12.28	2447.45	393.34	3.111	12.38	1214.57	390.4
15	3.529	11.45	1406.86	398.61	1.765	23.82	676.29	383.23	7.059	10.02	3213.63	455.26	3.529	10.52	1531.61	433.96
16	4	11.53	1489.73	372.43	2	22.31	770.09	385.04	8	11.53	2980.3	372.54	4	11.83	1451.63	362.91
17	4.533	10.62	1719.58	379.32	2.267	20.77	878.88	387.74	9.067	10.57	3455.44	381.11	4.533	11.31	1613.82	355.99
18	5.143	10.11	1911.99	371.78	2.571	19.51	990.84	385.33	10.286	10.15	3807.59	370.18	5.143	10.81	1787.42	347.55
19	5.846	9.27	2201.29	376.54	2.923	18.08	1128.66	386.12	11.692	9.19	4441.82	379.89	5.846	10.02	2036.5	348.35
20	6.667	8.58	2501.77	375.27	3.333	16.72	1284.15	385.25	13.333	8.69	4941.45	370.61	6.667	8.23	2609.21	391.38
21	7.636	7.76	2906.61	380.63	3.818	15.23	1480.6	387.78	15.273	7.96	5662.17	370.74	7.636	8.19	2753.54	360.58
22	8.8	7.38	3202.11	363.88	4.4	14.11	1673.83	380.42	17.6	7.51	6292.65	357.54	8.8	9.36	2522.8	286.68
23	10.222	6.65	3714.49	363.37	5.111	12.68	1947.15	380.96	20.444	6.65	7431.16	363.48	10.222	9.3	2655.89	259.82
24	12	6.1	4224.65	352.05	6	11.64	2213.38	368.9	24	6.13	8402.17	350.09	12	9.66	2668.05	222.34
25	14.286	5.08	5288.19	370.17	7.143	10.14	2647.22	370.61	28.571	5.11	10496.98	367.39	14.286	9.06	2964.42	207.51
26	17.333	4.81	5801.29	334.69	8.667	9.14	3053.46	352.32	34.667	4.82	11583.55	334.14	17.333	10.39	2686.5	154.99
27	21.6	3.51	8248.24	381.86	10.8	7.11	4075.27	377.34	43.2	4.07	14246.82	329.79	21.6	10.31	2810.82	130.13
28	28	3.77	7984.47	285.16	14	7	4293.2	306.66	56	4.06	14795.42	264.2	28	11.14	2699.62	96.41
29	38.667	4.06	7664.27	198.21	19.333	7.59	4102.1	212.18	77.333	4.18	14898.24	192.65	38.667	12.1	2573.57	66.56
30	60	4.4	7328.16	122.14	30	7.49	4302.95	143.43	120	4.13	15590.52	129.92	60	13.06	2466.99	41.12
31	124	3.91	8511.48	68.64	62	7.28	4571.71	73.74	248	4.1	16251.4	65.53	124	11.56	2878.91	23.22
32	inf	4.5	7629.8	0	inf	7.91	4343.77	0	inf	4.17	16487.78	0	inf	12.75	2695.03	0