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mixbench/alternating (v0.03)
----- Device specifications -----
Device:          TITAN V
CUDA driver version: 9.20
GPU clock rate:  1455 MHz
Memory clock rate: 425 MHz
Memory bus width: 3072 bits
WarpSize:       32
L2 cache size:  4608 KB
Total global mem: 12066 MB
ECC enabled:    No
Compute Capability: 7.0
Total SPs:      10240 (80 MPs x 128 SPs/MP)
Compute throughput: 29798.40 GFlops (theoretical single precision FMAs)
Memory bandwidth: 652.80 GB/sec

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Total GPU memory 12652838912, free 12210470912
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	14.29	0	600.95	0	29.14	0	589.54	0	14.18	0	605.98	0	14.19	0	605.28
1	0.129	13.93	77.1	597.53	0.065	28.39	37.82	586.24	0.258	13.96	153.84	596.13	0.129	13.99	76.77	594.95
2	0.267	13.33	161.12	604.2	0.133	27.4	78.36	587.72	0.533	13.42	319.98	599.96	0.267	13.42	160.06	600.24
3	0.414	12.82	251.24	607.15	0.207	26.66	120.81	583.91	0.828	12.94	498.02	601.77	0.414	13.1	245.97	594.43
4	0.571	12.49	343.82	601.69	0.286	25.98	165.33	578.66	1.143	13	660.94	578.32	0.571	12.41	346.18	605.81
5	0.741	12.23	439.1	592.79	0.37	24.57	218.54	590.07	1.481	12.07	889.53	600.43	0.741	12.12	443.11	598.2
6	0.923	11.51	559.49	606.11	0.462	23.54	273.67	592.96	1.846	11.73	1098.66	595.11	0.923	11.77	547.23	592.83
7	1.12	11.21	670.45	598.61	0.56	22.99	326.98	583.89	2.24	11.18	1344.08	600.04	1.12	11.17	672.9	600.81
8	1.333	10.57	812.93	609.7	0.667	22.76	377.49	566.24	2.667	10.78	1594.03	597.76	1.333	10.74	799.75	599.81
9	1.565	10.08	958.48	612.36	0.783	20.69	467.03	596.75	3.13	10.35	1867.64	596.61	1.565	10.12	955.18	610.25
10	1.818	9.72	1104.93	607.71	0.909	19.82	541.84	596.03	3.636	9.76	2199.2	604.78	1.818	9.55	1124.84	618.66
11	2.095	8.81	1340.73	639.9	1.048	18.52	637.75	608.76	4.19	8.74	2701.25	644.62	2.095	8.75	1350.31	644.47
12	2.4	8.54	1509.47	628.94	1.2	17.93	718.78	598.98	4.8	8.55	3012.43	627.59	2.4	8.67	1486.99	619.58
13	2.737	7.61	1833.17	669.81	1.368	16.08	867.86	634.21	5.474	7.6	3671.78	670.81	2.737	7.72	1808.85	660.93
14	3.111	7.29	2062.39	662.91	1.556	15.64	961.3	617.98	6.222	7.52	3995.66	642.16	3.111	7.44	2021.21	649.68
15	3.529	5.45	2953.18	836.73	1.765	13.66	1178.88	668.03	7.059	5.93	5432.1	769.55	3.529	5.58	2886.52	817.85
16	4	7.23	2375.03	593.76	2	15.06	1140.53	570.27	8	7.29	4714.03	589.25	4	7.3	2353.38	588.34
17	4.533	6.74	2709.5	597.68	2.267	13.63	1338.98	590.72	9.067	6.79	5374.88	592.82	4.533	6.74	2709.91	597.77
18	5.143	6.3	3067.51	596.46	2.571	13.18	1466.31	570.23	10.286	6.35	6088.51	591.94	5.143	6.43	3004.04	584.12
19	5.846	5.72	3565.95	609.96	2.923	11.67	1747.78	597.92	11.692	5.86	6964.85	595.68	5.846	5.75	3545.01	606.38
20	6.667	5.5	3905.31	585.8	3.333	11.32	1896.33	568.9	13.333	5.59	7687.55	576.57	6.667	5.58	3850.81	577.62
21	7.636	4.91	4594.22	601.62	3.818	10.17	2217.53	580.78	15.273	4.9	9211.5	603.13	7.636	4.91	4593.26	601.5
22	8.8	4.86	4857.59	552	4.4	9.41	2510.47	570.56	17.6	4.83	9776.93	555.51	8.8	4.85	4871.95	553.63
23	10.222	4.17	5916.98	578.84	5.111	8.38	2946.52	576.49	20.444	4.2	11758.86	575.16	10.222	4.17	5925.61	579.68
24	12	3.95	6523.02	543.59	6	7.91	3258.98	543.16	24	3.98	12948.71	539.53	12	3.99	6451.12	537.59
25	14.286	3.29	8169.02	571.83	7.143	6.6	4067.4	569.44	28.571	3.31	16221.78	567.76	14.286	3.28	8189.44	573.26
26	17.333	3.14	8892.03	513	8.667	6.28	4444.57	512.83	34.667	3.13	17813.12	513.84	17.333	3.2	8715.78	502.83
27	21.6	2.39	12124.86	561.34	10.8	4.72	6146.67	569.14	43.2	2.38	24385.82	564.49	21.6	2.4	12104.13	560.38
28	28	2.47	12167.32	434.55	14	5.18	5808.14	414.87	56	2.47	24375.68	435.28	28	2.75	10951.44	391.12
29	38.667	2.55	12207.43	315.71	19.333	5.01	6217.32	321.59	77.333	2.57	24201.12	312.95	38.667	2.55	12192.74	315.33
30	60	2.63	12264.05	204.4	30	5.18	6219.31	207.31	120	2.65	24319.8	202.66	60	2.93	10979.73	183
31	124	2.66	12497.45	100.79	62	5.34	6239.13	100.63	248	2.68	24861.08	100.25	124	2.68	12430.54	100.25
32	inf	2.94	11691.44	0	inf	6.26	5486.34	0	inf	2.75	24975.39	0	inf	2.86	12018.06	0