

mixbench (v0.04-14-g3dc1cdc)															
----- Device specifications -----															
Device:		NVIDIA GeForce RTX 5090													
CUDA driver version:		12.80													
GPU clock rate:		2407 MHz													
Memory clock rate:		7000 MHz													
Memory bus width:		512 bits													
WarpSize:		32													
L2 cache size:		98304 KB													
Total global mem:		32120 MB													
ECC enabled:		No													
Compute Capability:		12.0													
Total SPs:		21760 (170 MPs x 128 SPs/MP)													
Compute throughput:		104752.64 GFlops (theoretical single precision FMAs)													
Memory bandwidth:		1792.13 GB/sec													

Total GPU memory		33680457728, free 33142013952													
Buffer size:		256MB													
Trade-off type:		compute with global memory (block strided)													
Elements per thread:		8													
Thread fusion degree:		4													

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	0.25	0.09	389.37	1557.48	0.125	0.15	219.18	1753.47	0.5	0.08	828.91	1657.83	0.25	0.09	365.36	1461.43
1	0.75	0.09	1081.75	1442.33	0.375	0.17	593.65	1583.05	1.5	0.09	2216.08	1477.39	0.75	0.09	1119.87	1493.17
2	1.25	0.09	1835.1	1468.08	0.625	0.17	969.83	1551.72	2.5	0.09	3730.26	1492.1	1.25	0.09	1865.13	1492.1
3	1.75	0.09	2607.47	1489.98	0.875	0.18	1336.25	1527.15	3.5	0.09	5220.51	1491.57	1.75	0.09	2586.34	1477.91
4	2.25	0.09	3313.62	1472.72	1.125	0.18	1677.13	1490.78	4.5	0.09	6716.86	1492.63	2.25	0.09	3356.04	1491.57
5	2.75	0.09	4090.19	1487.34	1.375	0.22	1710.31	1243.86	5.5	0.09	8221.19	1494.76	2.75	0.1	3844.78	1398.1
6	3.25	0.09	4857.98	1494.76	1.625	0.25	1731.64	1065.63	6.5	0.09	9715.96	1494.76	3.25	0.1	4537.78	1396.24
7	3.75	0.09	5591.41	1491.04	1.875	0.29	1756.41	936.75	7.5	0.09	11218.72	1495.83	3.75	0.1	5190.97	1384.26
8	4.25	0.09	6325.69	1488.4	2.125	0.32	1780.8	838.02	8.5	0.09	12678.37	1491.57	4.25	0.1	5814.02	1368.01
9	4.75	0.09	7069.89	1488.4	2.375	0.36	1790.83	754.03	9.5	0.09	14200.25	1494.76	4.75	0.1	6564.4	1381.98
10	5.25	0.09	8074.84	1538.07	2.625	0.39	1825.27	695.34	10.5	0.09	15523.51	1478.43	5.25	0.1	7250.61	1381.07
11	5.75	0.09	8579.6	1492.1	2.875	0.42	1829.56	636.37	11.5	0.09	16972.03	1475.83	5.75	0.1	7855.78	1366.22
12	6.25	0.09	9511.76	1521.88	3.125	0.46	1841.03	589.13	12.5	0.09	18441.36	1475.31	6.25	0.1	8583.63	1373.38
13	6.75	0.09	10125.73	1500.11	3.375	0.49	1848.25	547.63	13.5	0.09	19531.94	1446.81	6.75	0.1	9219	1365.78
14	7.25	0.09	10860.25	1497.97	3.625	0.53	1848.78	510.01	14.5	0.09	21168.61	1459.9	7.25	0.1	9911.57	1367.11
15	7.75	0.09	11600.95	1496.9	3.875	0.56	1854.09	478.47	15.5	0.09	22660.06	1461.94	7.75	0.1	10595.13	1367.11
16	8.25	0.09	12402.51	1503.33	4.125	0.6	1855.59	449.84	16.5	0.09	24080.03	1459.4	8.25	0.1	11304.48	1370.24
17	8.75	0.09	13079.17	1494.76	4.375	0.63	1859.27	424.98	17.5	0.09	25808.83	1474.79	8.75	0.1	11850.23	1354.31
18	9.25	0.09	13885.94	1501.18	4.625	0.67	1865.97	403.45	18.5	0.09	26970.67	1457.87	9.25	0.1	12658.18	1368.45
20	10.25	0.09	15212.89	1484.18	5.125	0.74	1868.71	364.63	20.5	0.09	29876.04	1457.37	10.25	0.1	13904.14	1356.5
22	11.25	0.09	16744.47	1488.4	5.625	0.81	1871.64	332.74	22.5	0.25	12151.92	540.09	11.25	0.1	15114	1343.47
24	12.25	0.09	17977.68	1467.57	6.125	0.88	1873.82	305.93	24.5	0.09	34976.33	1427.61	12.25	0.1	16239.01	1325.63
28	14.25	0.09	20905.5	1467.05	7.125	1.02	1881.12	264.02	28.5	0.09	40714.46	1428.58	14.25	0.1	19095.47	1340.03
32	16.25	0.09	24007.55	1477.39	8.125	1.15	1888.49	232.43	32.5	0.09	45943.67	1413.65	16.25	0.1	21782.5	1340.46
40	20.25	0.09	29991.05	1481.04	10.125	1.43	1896.16	187.27	40.5	0.1	56007.03	1382.89	20.25	0.1	26575.3	1312.36
48	24.25	0.09	35700.9	1472.2	12.125	1.72	1897.79	156.52	48.5	0.1	65012.38	1340.46	24.25	0.11	30953.09	1276.42
56	28.25	0.09	41084.98	1454.34	14.125	2	1898.19	134.39	56.5	0.11	71400.48	1263.73	28.25	0.11	35327.7	1250.54
64	32.25	0.09	45728.97	1417.95	16.125	2.27	1904.17	118.09	64.5	0.11	82253.76	1275.25	32.25	0.11	38537.41	1194.96
80	40.25	0.09	57207.98	1421.32	20.125	2.83	1908.07	94.81	80.5	0.12	90350.94	1122.37	40.25	0.13	41901.4	1041.03
96	48.25	0.1	67189.63	1392.53	24.125	3.39	1911.83	79.25	96.5	0.13	96117.39	996.04	48.25	0.15	43363.01	898.72
128	64.25	0.1	85577.65	1331.95	32.125	4.51	1912.45	59.53	128.5	0.17	99827.39	776.87	64.25	0.19	45071.76	701.51
192	96.25	0.14	93775.09	974.29	48.125	6.73	1918.32	39.86	192.5	0.25	102241.8	531.13	96.25	0.28	46735.56	485.56
256	128.25	0.17	100208.6	781.35	64.125	10.61	1621.83	25.29	256.5	0.32	107896.8	420.65	128.25	0.36	47510.99	370.46
512	256.25	0.32	107565.1	419.77	128.125	21.26	1617.9	12.63	512.5	0.6	114503.9	223.42	256.25	0.71	48767.66	190.31
1024	512.25	0.61	112353.3	219.33	256.125	42.5	1617.69	6.32	1024.5	1.16	118138.9	115.31	512.25	1.39	49309.93	96.26