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mixbench/read-only (v0.03)
----- Device specifications -----
Device:          GeForce RTX 2080 Ti
CUDA driver version: 10.0
GPU clock rate:  1545 MHz
Memory clock rate: 3500 MHz
Memory bus width: 352 bits
WarpSize:       32
L2 cache size:  5632 KB
Total global mem: 10989 MB
ECC enabled:    No
Compute Capability: 7.5
Total SPs:      8704 (68 MPs x 128 SPs/MP)
Compute throughput: 26895.36 GFlops (theoretical single precision FMAs)
Memory bandwidth: 616.00 GB/sec
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Total GPU memory 11523260416, free 11309547520
Buffer size:     256MB
Trade-off type:  compute with global memory (block strided)
Elements per thread: 8
Thread fusion degree: 4

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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             | 0.25                 | 0.24    | 140.67   | 562.69 | 0.125                | 0.47    | 72.11  | 576.89 | 0.5                | 0.24    | 285.09   | 570.19 | 0.25               | 0.23    | 143.29   | 573.15 |
| 1             | 0.75                 | 0.23    | 429.98   | 573.31 | 0.375                | 0.47    | 213.84 | 570.23 | 1.5                | 0.23    | 859.14   | 572.76 | 0.75               | 0.23    | 430.57   | 574.09 |
| 2             | 1.25                 | 0.23    | 715.75   | 572.6  | 0.625                | 0.57    | 291.9  | 467.05 | 2.5                | 0.23    | 1430.72  | 572.29 | 1.25               | 0.23    | 714.78   | 571.82 |
| 3             | 1.75                 | 0.23    | 1002.46  | 572.84 | 0.875                | 0.79    | 295.64 | 337.87 | 3.5                | 0.23    | 2006.3   | 573.23 | 1.75               | 0.24    | 997.83   | 570.19 |
| 4             | 2.25                 | 0.24    | 1279.44  | 568.64 | 1.125                | 1.01    | 297.89 | 264.79 | 4.5                | 0.23    | 2571.09  | 571.35 | 2.25               | 0.24    | 1282.23  | 569.88 |
| 5             | 2.75                 | 0.24    | 1569.94  | 570.89 | 1.375                | 1.23    | 298.95 | 217.42 | 5.5                | 0.23    | 3152.75  | 573.23 | 2.75               | 0.23    | 1572.51  | 571.82 |
| 6             | 3.25                 | 0.23    | 1859.18  | 572.05 | 1.625                | 1.45    | 299.92 | 184.56 | 6.5                | 0.23    | 3722.92  | 572.76 | 3.25               | 0.23    | 1867.33  | 574.56 |
| 7             | 3.75                 | 0.23    | 2149.01  | 573.07 | 1.875                | 1.67    | 300.81 | 160.43 | 7.5                | 0.24    | 4279.32  | 570.58 | 3.75               | 0.23    | 2147.84  | 572.76 |
| 8             | 4.25                 | 0.24    | 2404.34  | 565.73 | 2.125                | 1.89    | 301.31 | 141.79 | 8.5                | 0.24    | 4841.99  | 569.65 | 4.25               | 0.25    | 2249.03  | 529.18 |
| 9             | 4.75                 | 0.24    | 2695.2   | 567.41 | 2.375                | 2.11    | 301.67 | 127.02 | 9.5                | 0.24    | 5409.43  | 569.41 | 4.75               | 0.24    | 2709.87  | 570.5  |
| 10            | 5.25                 | 0.23    | 3009.44  | 573.23 | 2.625                | 2.33    | 302.08 | 115.08 | 10.5               | 0.24    | 5986.98  | 570.19 | 5.25               | 0.24    | 2984.97  | 568.56 |
| 11            | 5.75                 | 0.23    | 3285.28  | 571.35 | 2.875                | 2.55    | 302.32 | 105.16 | 11.5               | 0.24    | 6536.73  | 568.41 | 5.75               | 0.24    | 3270.14  | 568.72 |
| 12            | 6.25                 | 0.24    | 3560.29  | 569.65 | 3.125                | 2.77    | 302.55 | 96.81  | 12.5               | 0.24    | 7121.54  | 569.72 | 6.25               | 0.26    | 3225.2   | 516.03 |
| 13            | 6.75                 | 0.24    | 3814.03  | 565.04 | 3.375                | 2.99    | 302.78 | 89.71  | 13.5               | 0.24    | 7693.36  | 569.88 | 6.75               | 0.24    | 3840.42  | 568.95 |
| 14            | 7.25                 | 0.24    | 4131.62  | 569.88 | 3.625                | 3.21    | 302.88 | 83.55  | 14.5               | 0.24    | 8264.36  | 569.96 | 7.25               | 0.24    | 4098.76  | 565.35 |
| 15            | 7.75                 | 0.24    | 4416.56  | 569.88 | 3.875                | 3.43    | 303.12 | 78.22  | 15.5               | 0.24    | 8810.37  | 568.41 | 7.75               | 0.24    | 4395.65  | 567.18 |
| 16            | 8.25                 | 0.24    | 4671.66  | 566.26 | 4.125                | 3.65    | 303.33 | 73.53  | 16.5               | 0.24    | 9417.07  | 570.73 | 8.25               | 0.27    | 4171.55  | 505.64 |
| 17            | 8.75                 | 0.24    | 4958.14  | 566.64 | 4.375                | 3.87    | 303.35 | 69.34  | 17.5               | 0.24    | 9972.87  | 569.88 | 8.75               | 0.24    | 4938.13  | 564.36 |
| 18            | 9.25                 | 0.24    | 5188.89  | 560.96 | 4.625                | 4.09    | 303.42 | 65.6   | 18.5               | 0.24    | 10527.01 | 569.03 | 9.25               | 0.24    | 5196.53  | 561.79 |
| 20            | 10.25                | 0.24    | 5835.7   | 569.34 | 5.125                | 4.53    | 303.66 | 59.25  | 20.5               | 0.24    | 11661.91 | 568.87 | 10.25              | 0.27    | 5049.52  | 492.64 |
| 22            | 11.25                | 0.24    | 6403.3   | 569.18 | 5.625                | 4.97    | 303.69 | 53.99  | 22.5               | 0.24    | 12723.72 | 565.5  | 11.25              | 0.24    | 6341.34  | 563.67 |
| 24            | 12.25                | 0.24    | 6926.43  | 565.42 | 6.125                | 5.41    | 303.91 | 49.62  | 24.5               | 0.24    | 13912.87 | 567.87 | 12.25              | 0.28    | 5794.54  | 473.02 |
| 28            | 14.25                | 0.24    | 8045.34  | 564.59 | 7.125                | 6.29    | 304.1  | 42.68  | 28.5               | 0.24    | 16101.52 | 564.97 | 14.25              | 0.29    | 6530.69  | 458.29 |
| 32            | 16.25                | 0.24    | 9052.66  | 557.09 | 8.125                | 7.17    | 304.19 | 37.44  | 32.5               | 0.24    | 18250.75 | 561.56 | 16.25              | 0.31    | 7141.39  | 439.47 |
| 40            | 20.25                | 0.26    | 10365.47 | 511.88 | 10.125               | 8.93    | 304.47 | 30.07  | 40.5               | 0.25    | 21383.35 | 527.98 | 20.25              | 0.33    | 8154.25  | 402.68 |
| 48            | 24.25                | 0.3     | 10738.16 | 442.81 | 12.125               | 10.68   | 304.65 | 25.13  | 48.5               | 0.3     | 21854.72 | 450.61 | 24.25              | 0.37    | 8829.16  | 364.09 |
| 56            | 28.25                | 0.35    | 10895.55 | 385.68 | 14.125               | 12.44   | 304.73 | 21.57  | 56.5               | 0.35    | 21783.09 | 385.54 | 28.25              | 0.41    | 9289.62  | 328.84 |
| 64            | 32.25                | 0.4     | 10929.73 | 338.91 | 16.125               | 14.08   | 307.53 | 19.07  | 64.5               | 0.39    | 22441.53 | 347.93 | 32.25              | 0.44    | 9739.8   | 302.01 |
| 80            | 40.25                | 0.48    | 11303.7  | 280.84 | 20.125               | 17.52   | 308.37 | 15.32  | 80.5               | 0.48    | 22642.27 | 281.27 | 40.25              | 0.53    | 10126    | 251.58 |
| 96            | 48.25                | 0.57    | 11415.57 | 236.59 | 24.125               | 21      | 308.44 | 12.79  | 96.5               | 0.57    | 22813.12 | 236.41 | 48.25              | 0.62    | 10362.8  | 214.77 |
| 128           | 64.25                | 0.75    | 11472.29 | 178.56 | 32.125               | 27.86   | 309.51 | 9.63   | 128.5              | 0.56    | 30532.98 | 237.61 | 64.25              | 0.62    | 13995.54 | 217.83 |
| 192           | 96.25                | 0.84    | 15424.95 | 160.26 | 48.125               | 31.24   | 413.55 | 8.59   | 192.5              | 0.84    | 30831.05 | 160.16 | 96.25              | 0.9     | 14341.09 | 149    |
| 256           | 128.25               | 1.12    | 15366.06 | 119.81 | 64.125               | 41.61   | 413.69 | 6.45   | 256.5              | 1.13    | 30519.39 | 118.98 | 128.25             | 1.19    | 14479.27 | 112.9  |