|  |  |  |
| --- | --- | --- |
| **Array Length** | **Execution Time (ms) [512 threads per block]** | **Execution Time (ms) [1024 threads per block]** |
| 1024 | 5.65555 | 6.17075 |
| 2048 | 9.20083 | 2.84259 |
| 4096 | 5.28877 | 25.754 |
| 8192 | 11.0206 | 3.17414 |
| 16384 | 21.107 | 2.52774 |
| 32768 | 8.07456 | 2.09261 |
| 65536 | 32.634 | 23.6437 |
| 131072 | 28.9943 | 19.4255 |
| 262144 | 3.89197 | 22.1132 |
| 524288 | 7.23821 | 22.8309 |
| 1048576 | 14.3065 | 3.12272 |
| 2097152 | 3.4264 | 10.8586 |
| 4194304 | 25.6294 | 19.2604 |
| 8388608 | 34.0826 | 12.4793 |
| 16777216 | 19.9757 | 17.4276 |
| 33554432 | 39.4312 | 32.4263 |
| 67108864 | 59.1863 | 78.114 |
| 134217728 | 101.155 | 104.673 |
| 268435456 | 204.038 | 185.882 |
| 536870912 | 374.916 | 376.522 |
| 1073741824 | 747.34 | 716.157 |