|  |  |  |
| --- | --- | --- |
| **Array Length** | **Execution Time (ms) [512 threads per block]** | **Execution Time (ms) [1024 threads per block]** |
| 1024 | 2.0695 | 6.10096 |
| 2048 | 10.7008 | 9.9823 |
| 4096 | 5.40346 | 7.05264 |
| 8192 | 10.3236 | 1.66707 |
| 16384 | 25.2287 | 1.88595 |
| 32768 | 5.36371 | 2.06749 |
| 65536 | 11.0469 | 5.76784 |
| 131072 | 3.46832 | 4.66944 |
| 262144 | 9.13616 | 7.6087 |
| 524288 | 12.03 | 20.7996 |
| 1048576 | 6.63248 | 17.2645 |
| 2097152 | 22.0449 | 19.6281 |
| 4194304 | 19.8882 | 20.224 |
| 8388608 | 31.4044 | 38.8608 |
| 16777216 | 61.7122 | 73.8325 |
| 33554432 | 128.061 | 137.829 |
| 67108864 | 221.941 | 253.05 |
| 134217728 | 431.397 | 493.225 |
| 268435456 | 844.237 | 990.888 |
| 536870912 | 1667.22 | 1917.1 |
| 1073741824 | 4324.73 | 3839.8 |
| 2147483648 | 8266.57 | 12013.6 |