|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Num =200 | mergeSort | quickSort | quickSortRandom | quickSortLeft | quickSortMedian |
| ascending | 0.00078585 | 0.00039006 | 0.00073390 | 0.00185856 | 0.00046387 |
| descending | 0.00381198 | 0.00044971 | 0.00097933 | 0.02105668 | 0.00096412 |
| random | 0.01569694 | 0.01389048 | 0.01513272 | 0.02296112 | 0.01569185 |
| nearly | 0.00893762 | 0.00047080 | 0.00351897 | 0.00397114 | 0.00944933 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Num =600 | mergeSort | quickSort | quickSortRandom | quickSortLeft | quickSortMedian |
| ascending | 0.00272575 | 0.00134577 | 0.00483610 | 0.01615788 | 0.00155066 |
| descending | 0.01273687 | 0.00268877 | 0.00428612 | 0.04451721 | 0.03756145 |
| random | 0.06320898 | 0.05401258 | 0.05614352 | 0.05757054 | 0.08650633 |
| nearly | 0.02560181 | 0.00598810 | 0.00787250 | 0.01775491 | 0.00718550 |

Based on looking at this data the quick sort method would be considered the fastest out of all the sorting algorithms. Probably due to it having a O(N log N) however merge sort is the most consistent overall.