

According to my results, the Median of Three (20) QuickSort sorting algorithm was the fastest and is probably the best for general use. It was only beat in the sorted data configuration by MergeSort, but the Median of Three (20) algorithm was faster for the other two data configurations in random and reverse sorted. The Median of Three QuickSort with a base case of array size 20 was the best QuickSort across the board. The worst algorithm was the Simple QuickSort. It was much slower than the others as it took as long as 14 seconds at one point.

MergeSort is a good sort to use as well but it wasn't consistent. It was great only for the sorted data configuration. It was considerably slower than the Median of Three (20) QuickSort for the other data configurations. In general, it is probably best to use Median of Three (20) QuickSort as the go-to sorting algorithm.