Average Times for Quick Sort & Bubble Sort

Average Times for the best case of Quick Sort & Bubble Sort

Average Times for the worst case of Quick Sort & Bubble Sort

Discussion:

We believe that an input size threshold of 30 is reasonable. The absolute worst case of bubble sort begins to deviate from the worst case of quick sort at an array size of 30. Also, the average and best cases begin to differ largely from each other when the array size is greater than 30.