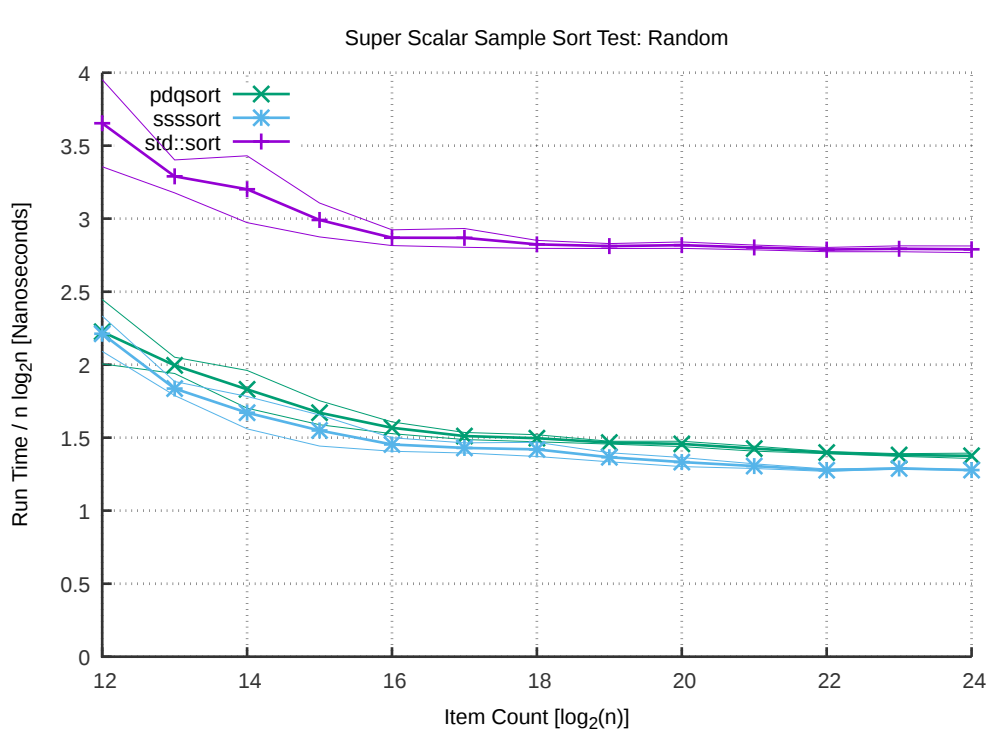
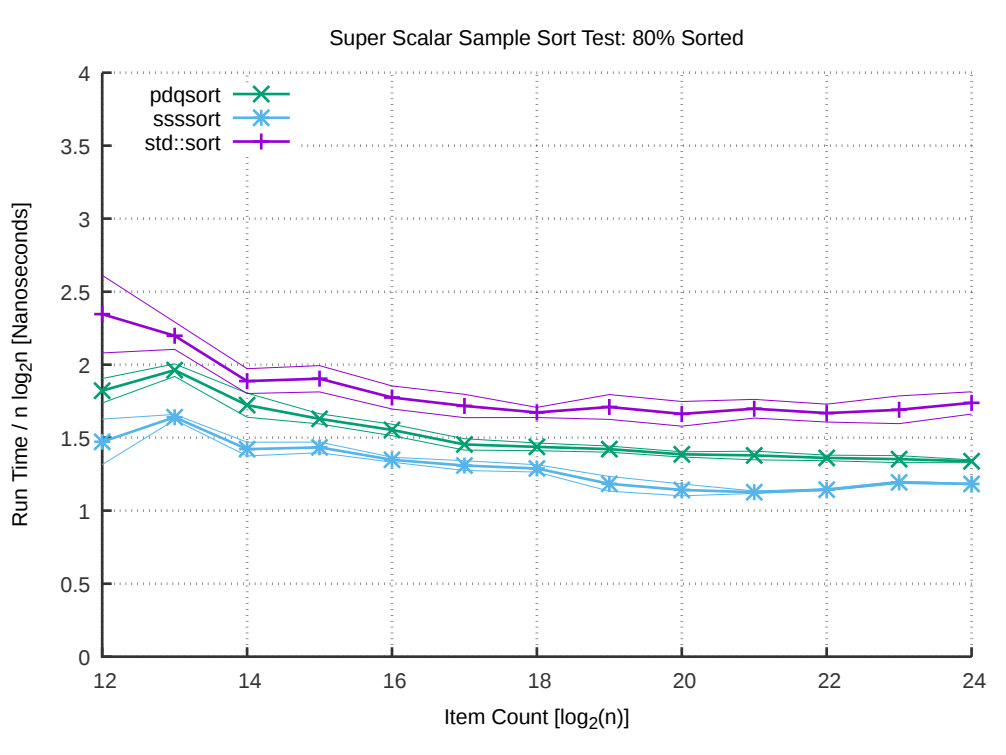
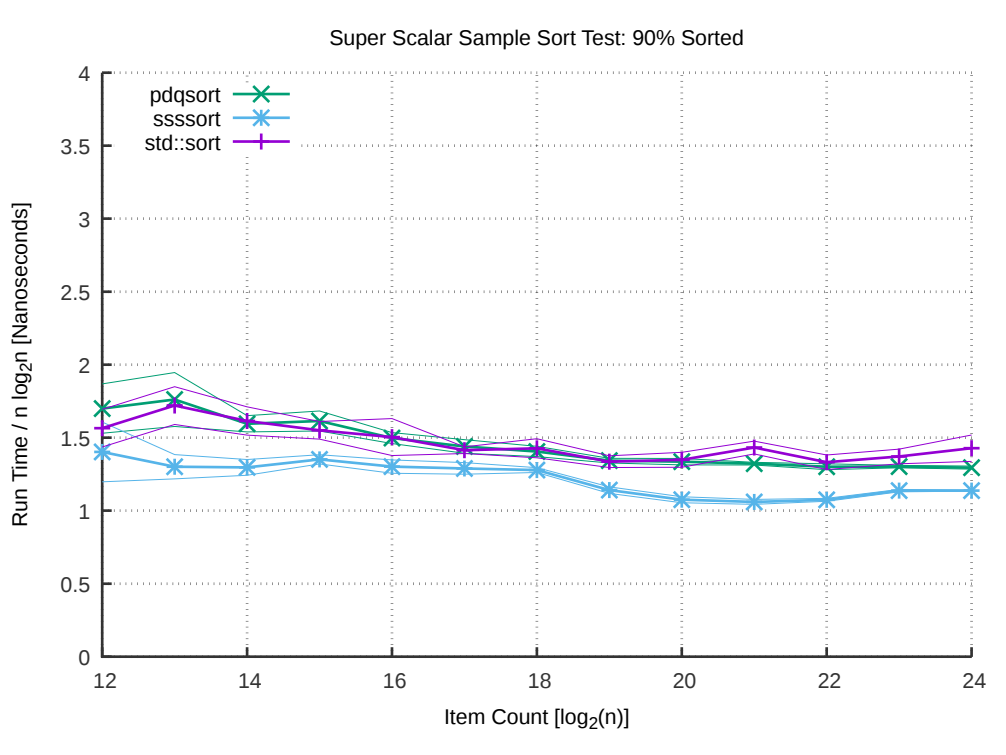
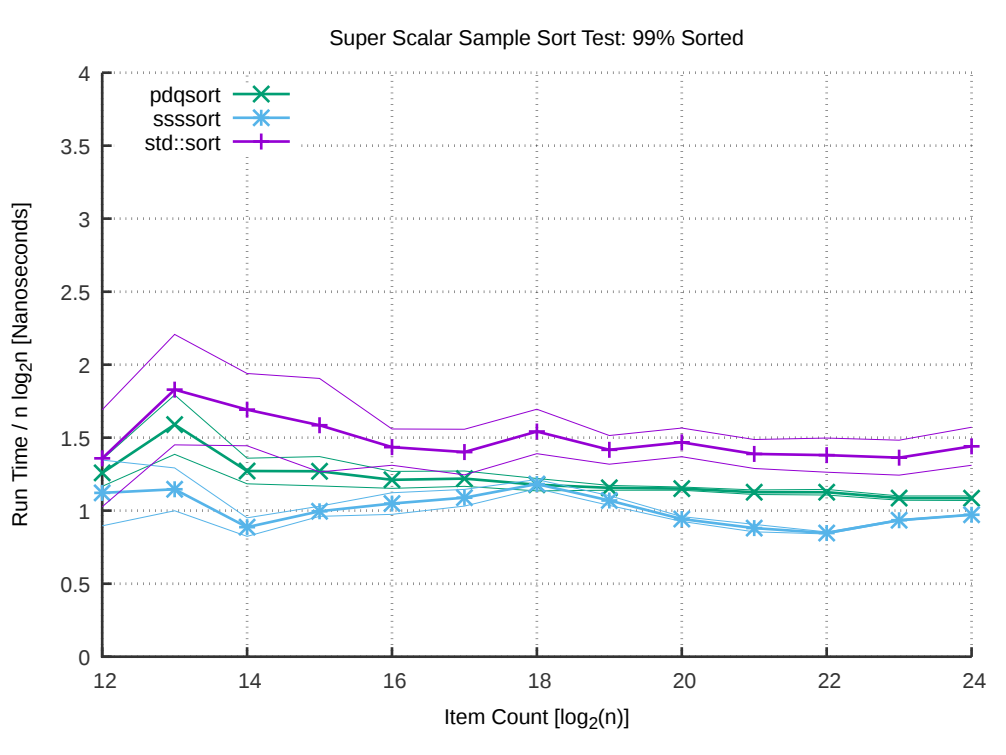
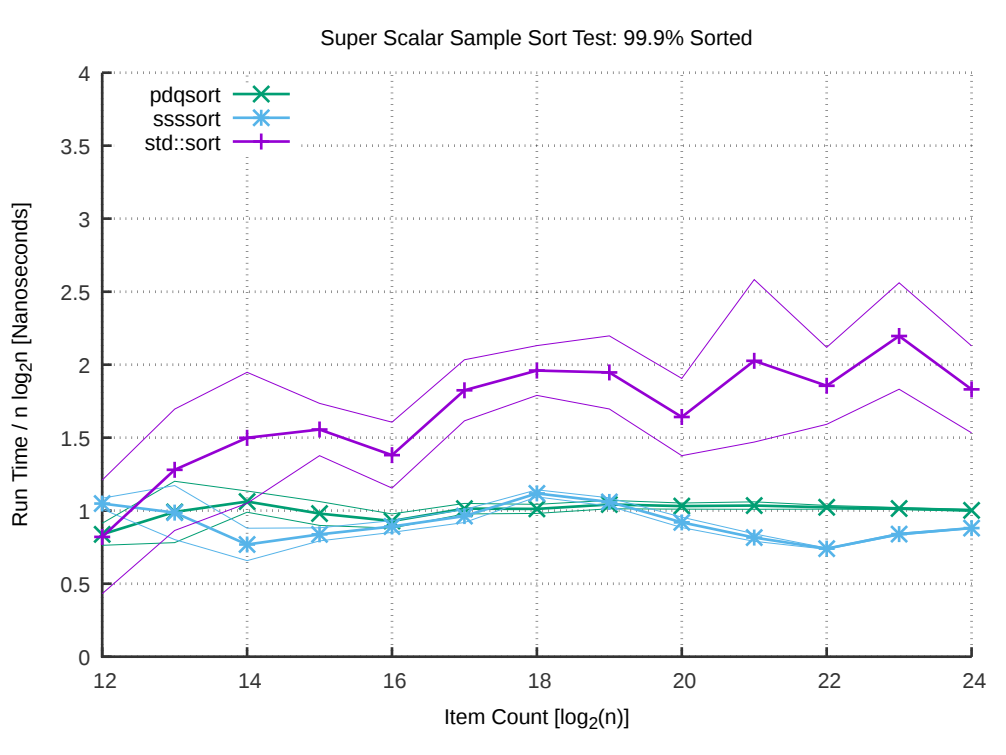
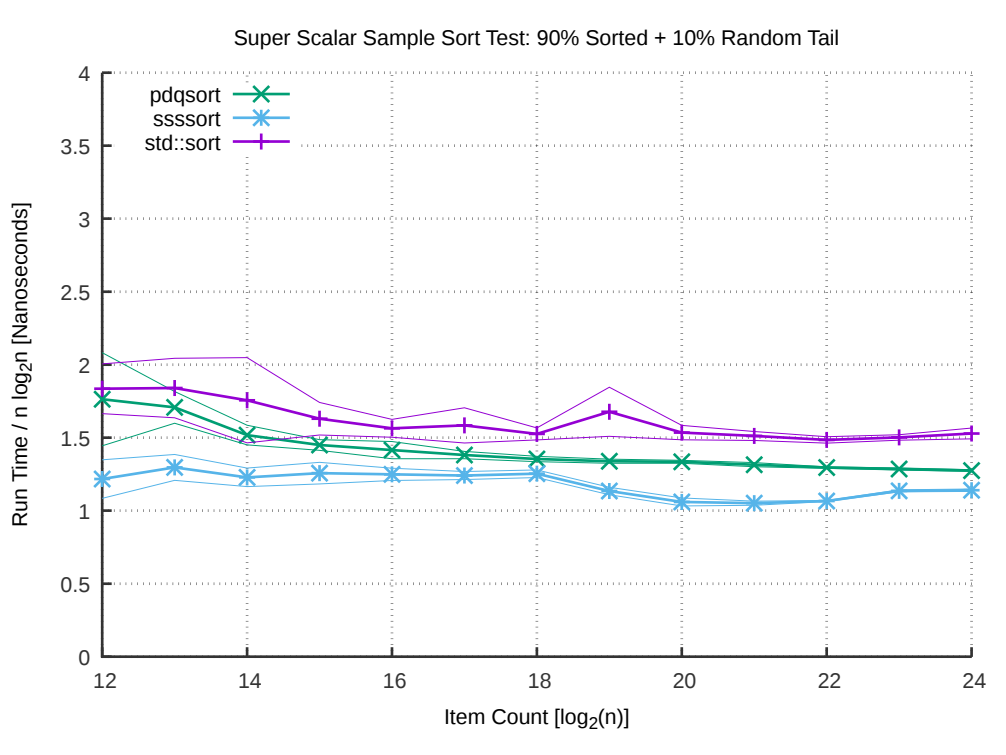

Super Scalar Sample Sort Test: Random
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

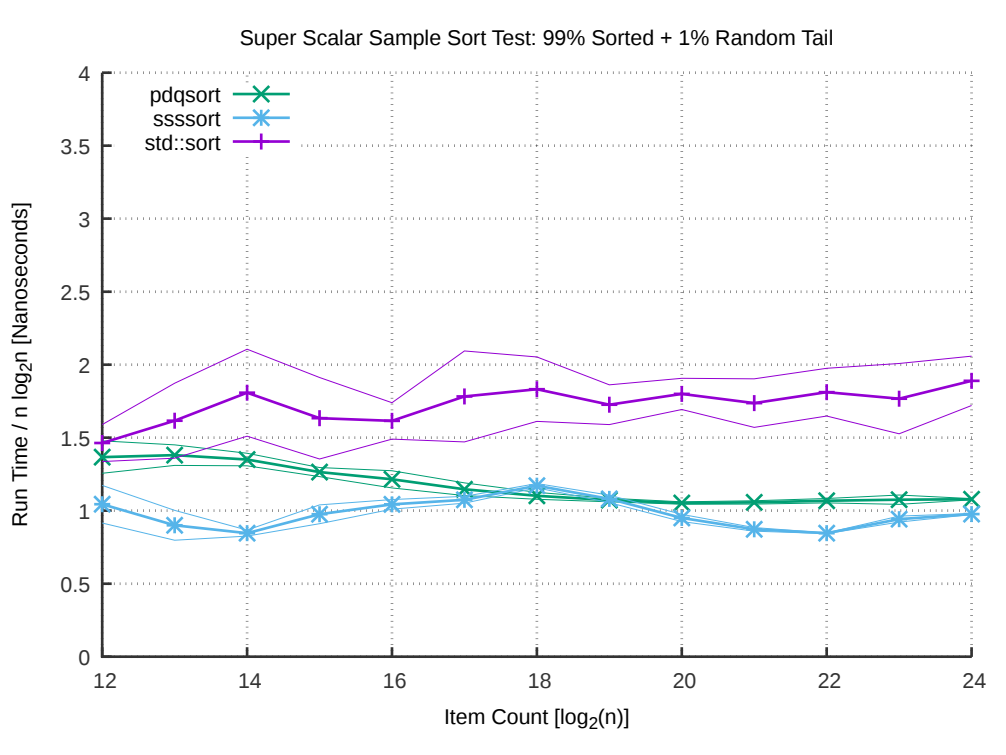

Super Scalar Sample Sort Test: 80% Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

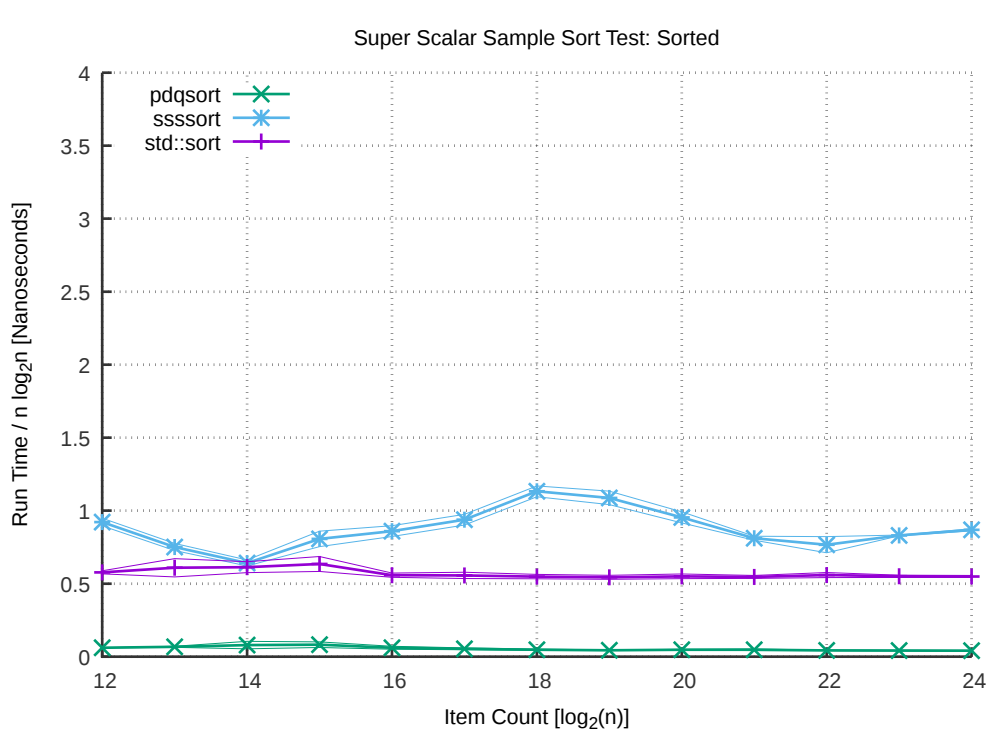

Super Scalar Sample Sort Test: 90% Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

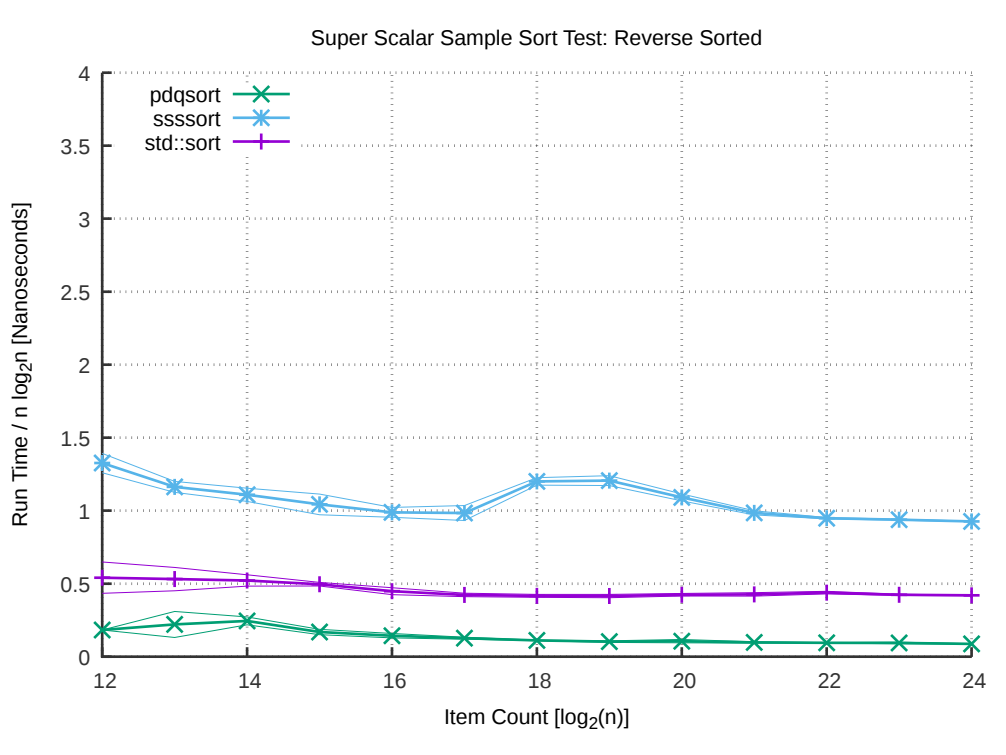

Super Scalar Sample Sort Test: 99% Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

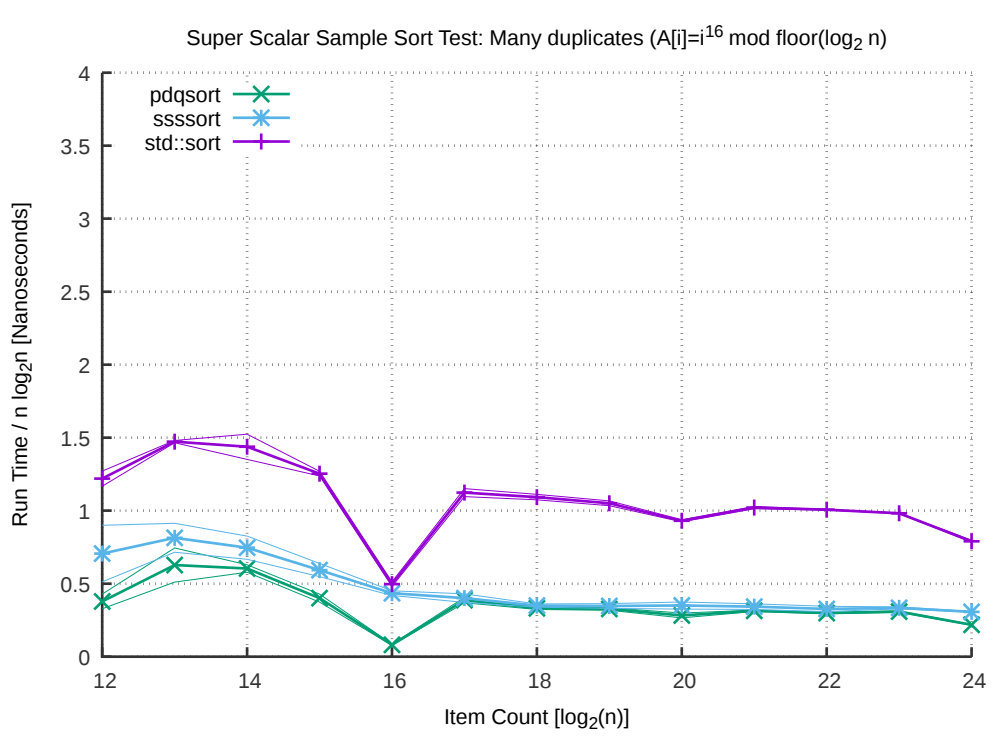

Super Scalar Sample Sort Test: 99.9% Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

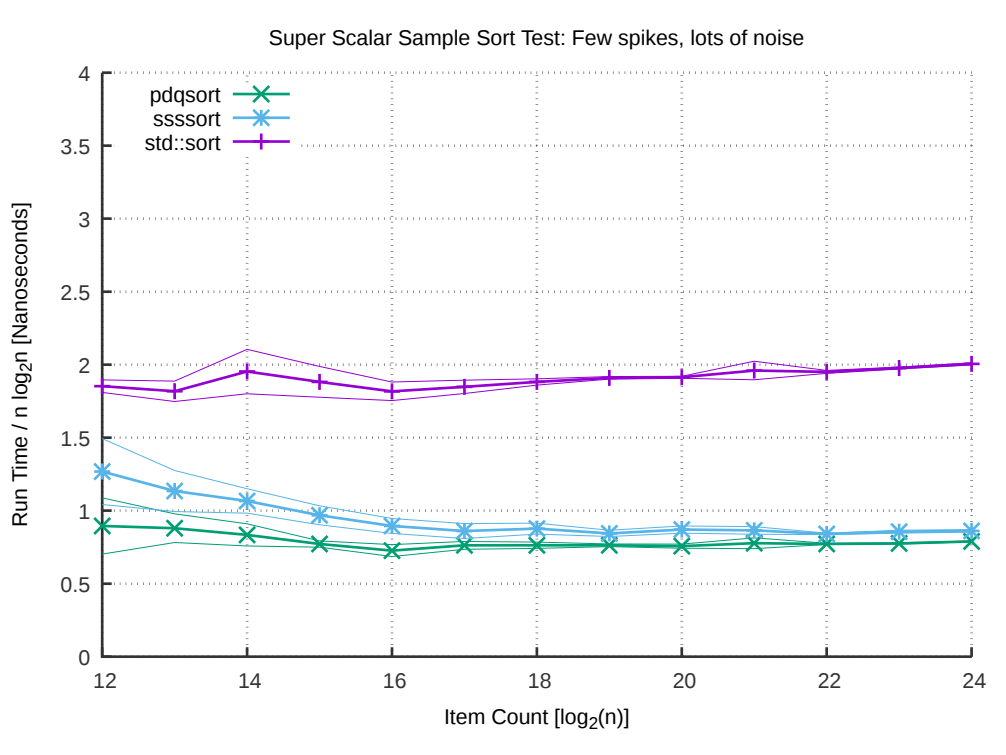

Super Scalar Sample Sort Test: 90% Sorted + 10% Random Tail
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24

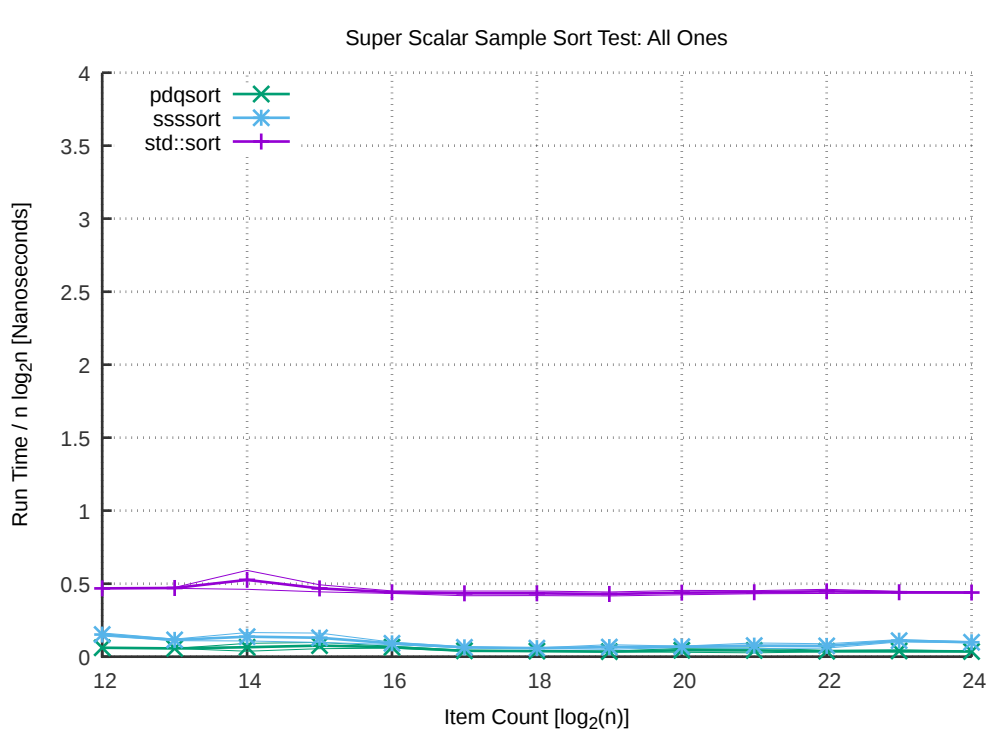

Super Scalar Sample Sort Test: 99% Sorted + 1% Random Tail
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24


Super Scalar Sample Sort Test: Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24


Super Scalar Sample Sort Test: Reverse Sorted
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24


Super Scalar Sample Sort Test: Many duplicates (A[i]=i^16 mod floor(log_2 n)
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24


Super Scalar Sample Sort Test: Few spikes, lots of noise
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24


Super Scalar Sample Sort Test: All Ones
pdqsort
ssssort
std::sort
Run Time / n log2n [Nanoseconds]
Item Count [log2(n)]
0
0.5
1
1.5
2
2.5
3
3.5
4
12
14
16
18
20
22
24