

# Comparision of CUDA sorting algorithms

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## 1 Sorted

Quantity	Radixsort	Bitonic Sort	Quicksort	STL Sort
10000	0.33s	0.40s	0.41s	0.00s
1000000	1.10s	0.45s	0.49s	0.85s
100000000	83.60s	6.59s	4.58s	10.46s

## 2 Reversed

Quantity	Radixsort	Bitonic Sort	Quicksort	STL Sort
100000	0.35s	0.38s	0.38s	0.00s
10000000	0.41s	1.05s	0.43s	0.08s
100000000	69.97s	6.53s	4.14s	8.18s

## 3 Randomized

Quantity	Radixsort	Bitonic Sort	Quicksort	STL Sort
10000	0.42s	0.38s	0.36s	0.00s
1000000	1.13s	0.45s	0.43s	0.23s
100000000	71.62s	4.01s	7.51s	25.88s