

# Implmentatation and Comparison of well known sorting Algorithms in CUDA

Test Resluts :

Sorting Mechanis m	Number of Inputs	Elapsed time in seconds	Input/time
Radix Sort	50000	0. 04	1250000
Merge Sort	10000	0. 42	23809
Quick Sort	50000	0. 51	98039
Sample Sort	50000	0. 09	555555
Bitonic sort	65536	0.34	192752

**Conclusion :**

Based on performance number of inputs each sort can handlein unit time

**Radix>Sample>Bitonic>Quick>Merge**