

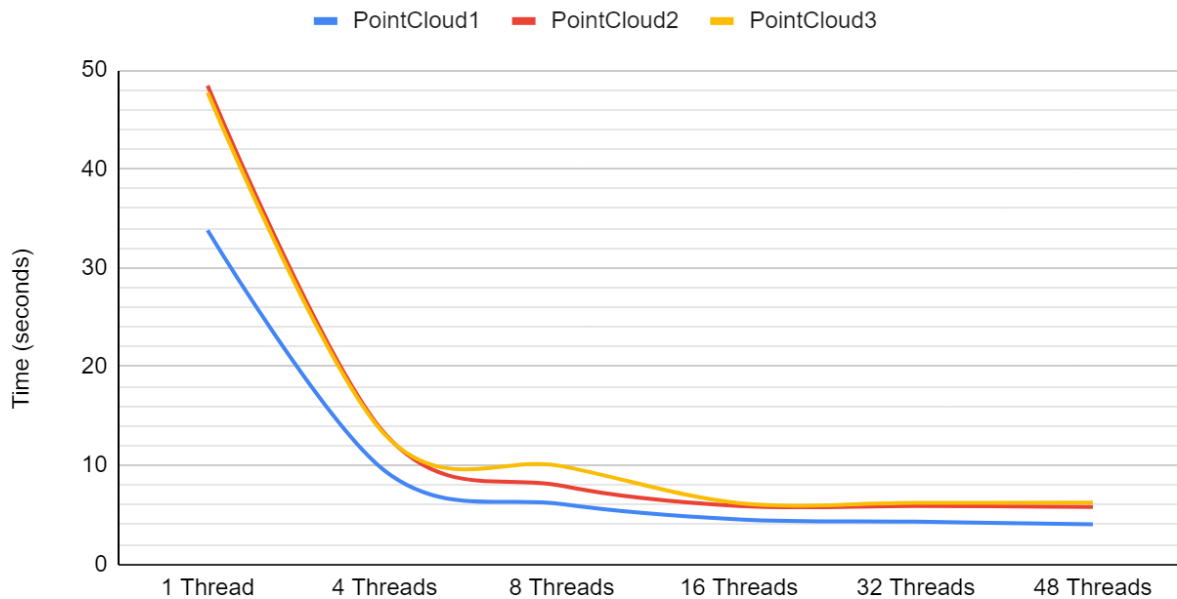
Execution from command line: `go run . filename confidence percentage eps`

Table of the average execution times in seconds.

	1 Thread	4 Threads	8 Threads	16 Threads	32 Threads	48 Threads
PointCloud1	33.79	9.471	6.099	4.552	4.31	4.059
PointCloud2	48.437	13.242	7.95	5.906	5.897	5.805
PointCloud3	47.731	13.155	9.939	6.201	6.214	6.24

To obtain these results, each execution for a given thread was executed 10 times and the average runtime was taken.

Average Execution Time in Seconds of 10 Executions of the Ransac algorithm



Based on this graph, increasing the number of threads more than 16 provides a very minuscule improvement for the resources allocated to the program. As such the most optimal amount of threads would be 16 threads.