

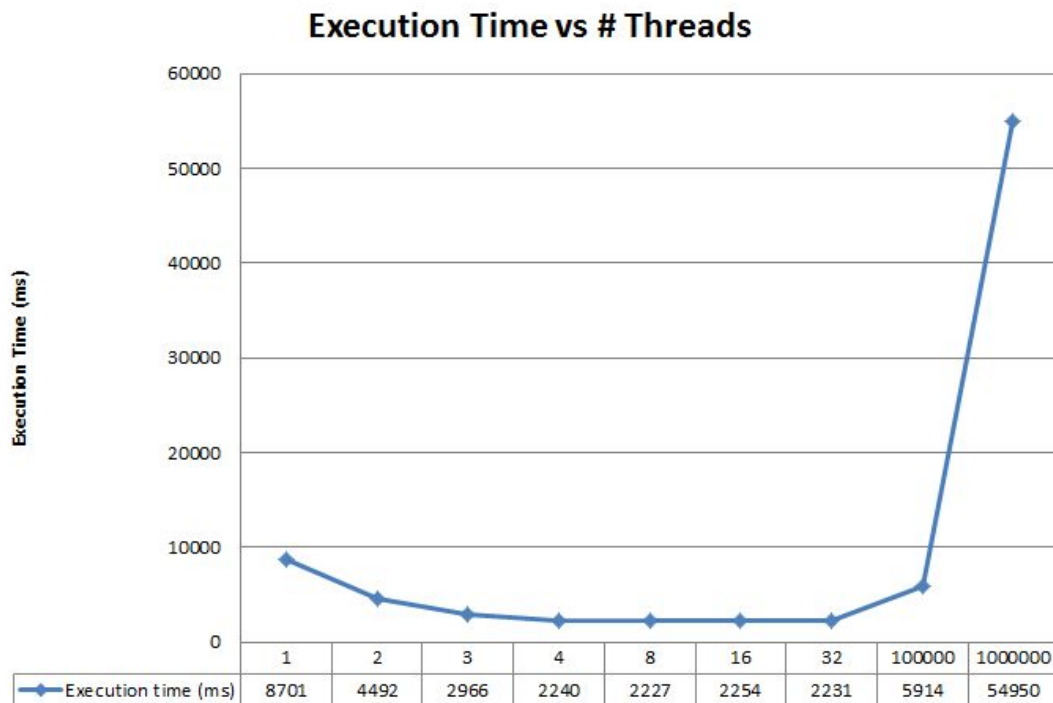
Kyle McCaw

Dr. Stonedahl

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### Factor Finding Threads Data



As expected, execution times dropped from 1 thread to 4, and stayed relatively stagnant from 4 to 32. This is because the lab PCs have 4 cores, so once you approach anything higher than 4 it your threads will not be able to utilize other cores in parallel. Imagine it like a hallway; in this case, 4 people can comfortably and efficiently do their work in this hallway. As you start to pile more people into the hallway their work gets much harder and time-consuming. This is why 100K and 1M threads take much longer to execute. In reality, 100K and 1M threads take much longer because there is a lot more overhead due to context switching.