

Isa Maguire

How does the running time vary with the number of threads on your personal computer? How do you explain the trend?

My computer is taking about 11000 ms for each problem, there doesn't seem to be any trend here. I assumed that the time would go down until a certain point, where it seems to stay the same no matter how many threads you add. This is because adding processors has declining marginal utility, which means that each processor you add speeds up the runtime by less than the previously added processor.