Parallell Matrix Vector Multiplier - Results

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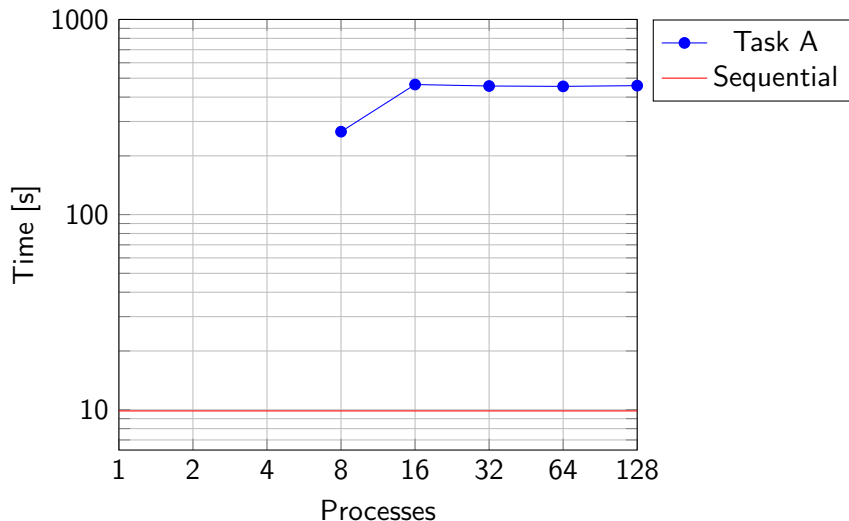# Total time - Task A and Sequential

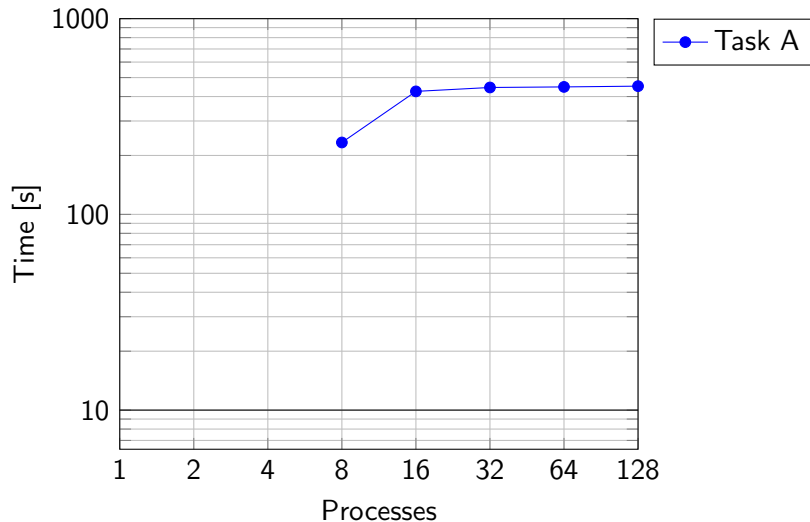Figure: Total time - scale 12

Results of communication times

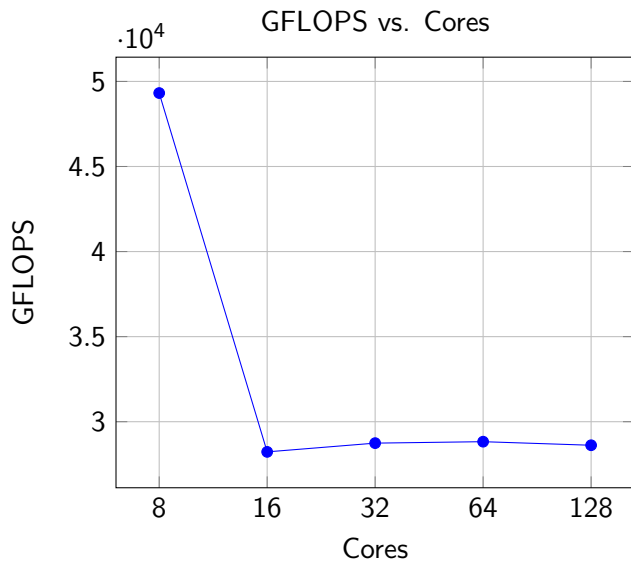
Figure: Communication Time - scale 12

GFLOPS

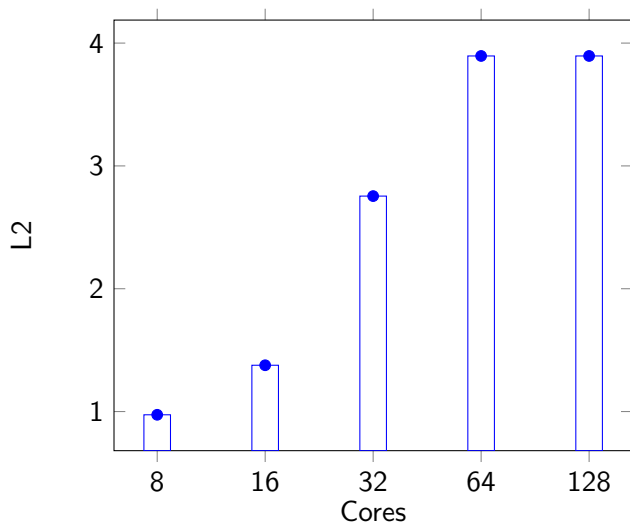Figure: GFLOPS for Different Numbers of Cores

L2 Norm

Figure: GFLOPS for Different Numbers of Cores

What went wrong?

The code I wrote was unnecesarily complex, resulted in a lot of mental overhead when coding.

Poor time management. Spent too much time trying to fix task B, which was ultimately unsuccesful. Resulted in less time for the other tasks.

Didn't spend enough time testing on EX3 at higher scales, which made me believe the code work, even though it didn't.

Task D: deadlocks when waiting for communcation of send lists at scale > 9

Lesson learned: Work on other tasks when stuck. Test earlier on EX3. Write simpler code.