

## Project 1

The following times were collected from running the three different C programs on the computers found in CSB 527. Those computers run a 64-bit version of CentOS 4.6. The relationship that as the number of threads increases, the execution time also increases is also seen here. This was previously in part b meaning that part b and part c at least agree with each other. Although the execution times do not vary too much as chunk size increases, six out of the eleven thread values tested display their lowest execution time in the chunk sizes 32, 64, and 128. This may be due to the fact that the computers running the programs are running a 64-bit operating system.

Part	C	Exec Time						
	Chunk Size							
Threads	8	16	32	64	128	256	512	1024
1	13.46	13.48	13.47	13.47	13.49	13.48	13.47	13.48
2	14.71	14.64	14.73	14.66	14.69	14.69	14.63	14.7
3	18.11	19.24	19.03	18.94	19.06	19.37	19.03	19.06
4	24.09	24.03	24.09	23.7	23.65	23.81	24.27	23.9
5	24.22	22.69	22.97	22.73	22.84	22.99	22.82	22.76
6	23.57	24.33	23.73	23.88	23.95	23.33	24.36	24.05
7	23.9	23.67	24.13	23.79	23.58	23.83	24.14	24.39
8	23.68	24.23	23.82	23.25	24.16	23.9	23.99	23.98
16	24.21	24.19	24.21	23.93	24.28	24	23.82	
32	24.43	24.34	24.37	24.32	24.24	24.19		
64	24.5	24.57	24.45	24.49	24.56			

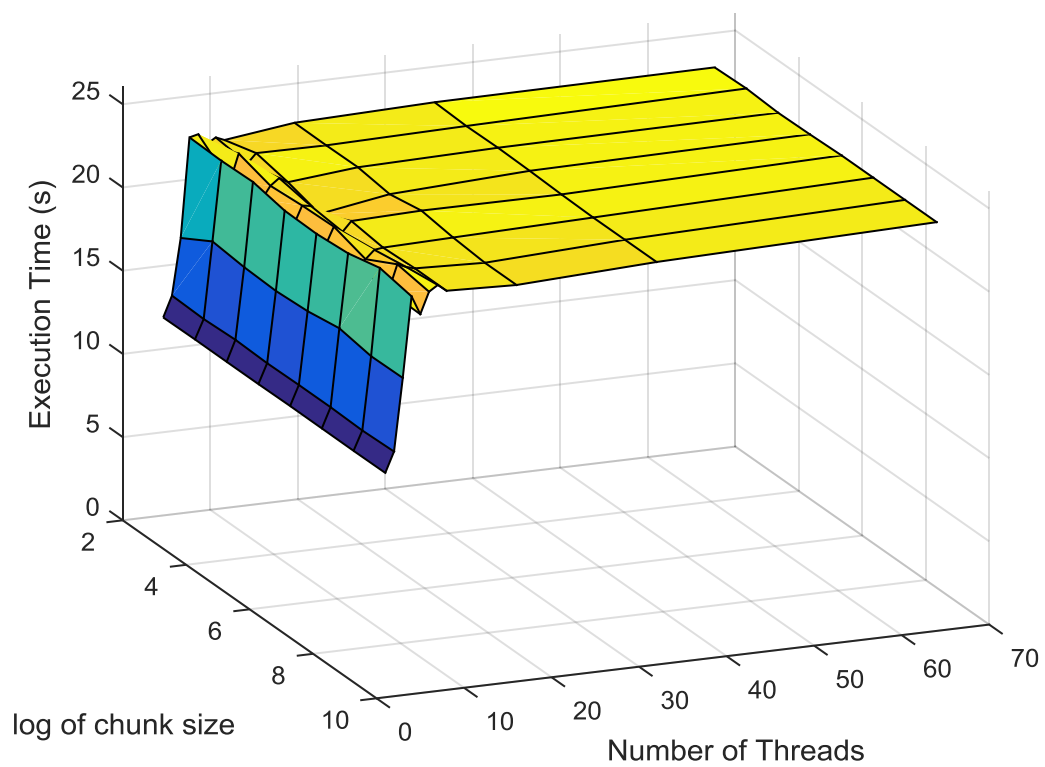


Figure 3