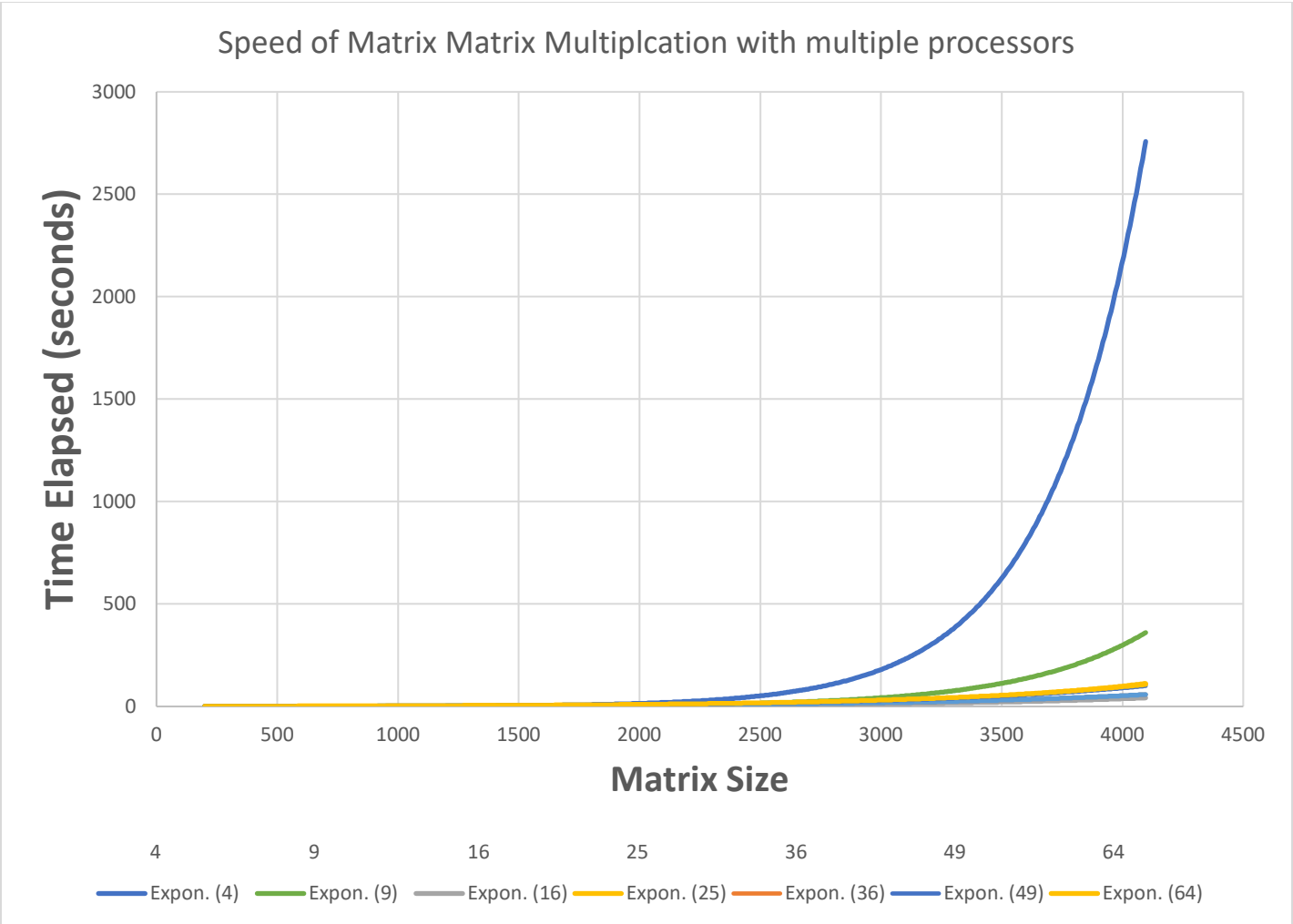


## ECE-4730 – Assignment 2

Aaron Bruner

Performance Data:

processors	time	nxn
4	0.174	200
4	0.263	400
4	0.471	600
9	0.228	300
9	0.364	600
9	0.735	900
16	0.664	400
16	1.049	800
16	4.167	1200
25	0.928	500
25	1.645	1000
25	3.319	1500
36	1.479	600
36	2.639	1200
36	5.251	1800
49	2.013	700
49	4.14	1400
49	14.338	2401
64	2.593	800
64	6.403	1600
64	102.12	4096



Most of the processes scale well until we get past 36 processors and then the performance gains begin to degrade.