Matrix Size	Number Of Cores	# Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl's Law)	Amdahl's Speedup
4096	4	0.146092	5.77228	inversionFixedSizeSingleRegion	0.02530923656	0.632730914	3.076923077	0.008225501881
4096	8	0.146092	1.31268	inversionFixedSizeSingleRegion	0.1112929274	1.391161593	4.705882353	0.02364974708
4096	16	0.146092	1.17111	inversionFixedSizeSingleRegion	0.1247466079	0.7796662995	6.4	0.01949165749
1024	2	0.00949089	1.06125	inversionFixedSizeCrossRegion	0.008943123675	0.4471561837	1.818181818	0.004918718021
1024	4	0.00949089	0.260469	inversionFixedSizeCrossRegion	0.03643769508	0.910942377	3.076923077	0.0118422509
1024	8	0.00949089	0.0959088	inversionFixedSizeCrossRegion	0.09895744707	1.236968088	4.705882353	0.0210284575
1024	16	0.00949089	3.96472	inversionFixedSizeCrossRegion	0.002393836135	0.01496147584	6.4	0.000374036896

Matrix Size	Number Of Cores	Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl's Law)	Amdahl's Speedup
1024	2	0.00949089	1.06391	inversionFixedLoadSingleRegion	0.008920763974	0.4460381987	1.818181818	0.004906420186
2048	4	0.0361291	0.9436	inversionFixedLoadSingleRegion	0.03828857567	0.9572143917	3.076923077	0.01244378709
4096	8	0.146092	1.34828	inversionFixedLoadSingleRegion	0.1083543478	1.354429347	4.705882353	0.0230252989
8192	16	0.607012	112.437	inversionFixedLoadSingleRegion	0.005398685486	0.03374178429	6.4	0.0008435446072
1024	2	0.00949089	1.06319	inversionFixedLoadCrossRegion	0.008926805181	0.446340259	1.818181818	0.004909742849
2048	4	0.0361291	0.877459	inversionFixedLoadCrossRegion	0.04117468736	1.029367184	3.076923077	0.01338177339
4096	8	0.146092	1.36962	inversionFixedLoadCrossRegion	0.1066660826	1.333326032	4.705882353	0.02266654254
8192	16	0.607012	139.404	inversionFixedLoadCrossRegion	0.004354337035	0.02721460647	6.4	0.0006803651617

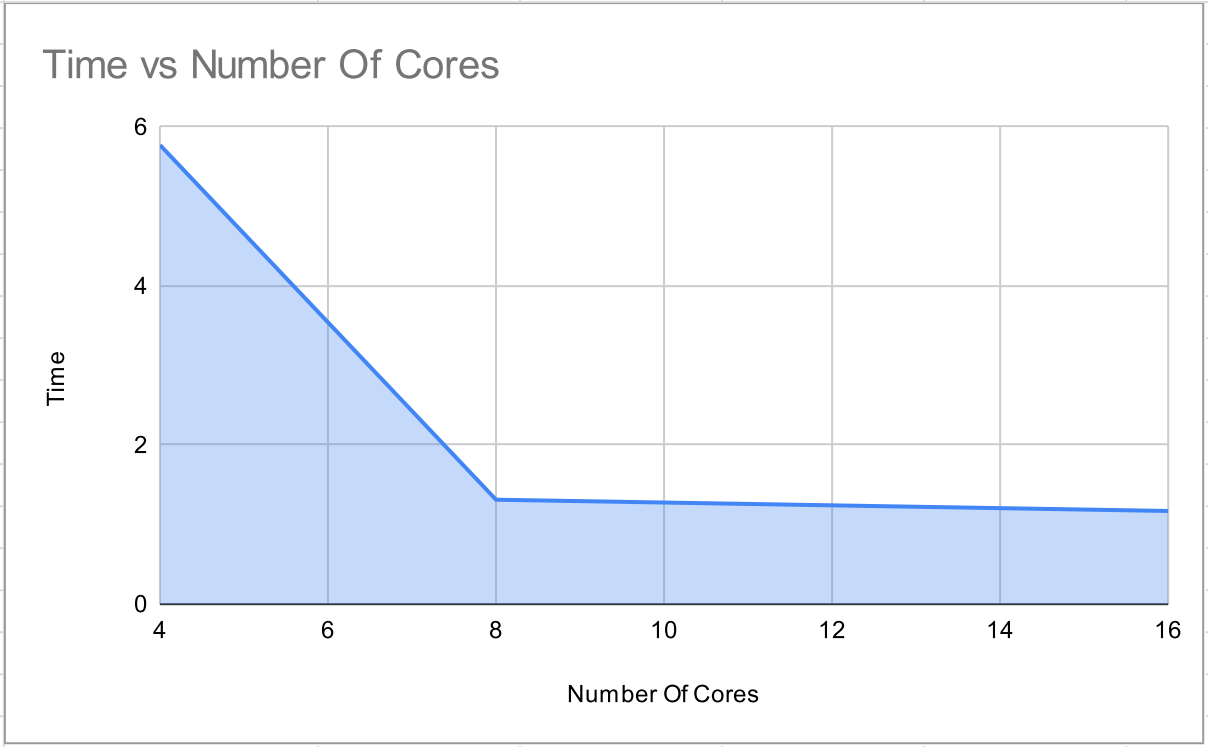
Matrix Size	Number Of Cores	# Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl's Law)	Amdahl's Speedup
Matrix Size	Number Of Cores	Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl's Law)	Amdahl's Speedup
1024	2	8.35007	11.1404	multiplicationFixedSizeSingleRegion	0.7495305375	37.47652688	1.818181818	0.4122417956
1024	4	8.35007	5.58409	multiplicationFixedSizeSingleRegion	1.495332274	37.38330686	3.076923077	0.4859829892
1024	8	8.35007	5.58409	multiplicationFixedSizeSingleRegion	1.495332274	18.69165343	4.705882353	0.3177581083
1024	16	8.35007	1.4189	multiplicationFixedSizeSingleRegion	5.884889703	36.78056065	6.4	0.9195140161
1024	2	8.35007	11.1322	multiplicationFixedSizeCrossRegion	0.7500826431	37.50413216	1.818181818	0.4125454537
1024	4	8.35007	5.56975	multiplicationFixedSizeCrossRegion	1.49918219	37.47955474	3.076923077	0.4872342116
1024	8	8.35007	5.11362	multiplicationFixedSizeCrossRegion	1.632907803	20.41134754	4.705882353	0.3469929082
1024	16	8.35007	26.2454	multiplicationFixedSizeCrossRegion	0.3181536574	1.988460359	6.4	0.04971150897

Matrix Size	Number Of Cores	# Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl's Law)	Amdahl's Speedup
512	2	1.00479	1.34979	multiplicationFixedLoadSingleRegion	0.7444046852	37.22023426	1.818181818	0.4094225768
1024	4	8.35007	5.64873	multiplicationFixedLoadSingleRegion	1.478220768	36.95551921	3.076923077	0.4804217497
2048	8	81.8249	35.2633	multiplicationFixedLoadSingleRegion	2.320398261	29.00497826	4.705882353	0.4930846305
4096	16	740.54927	663.241	multiplicationFixedLoadSingleRegion	1.116561356	6.978508472	6.4	0.1744627118
512	2	1.00479	1.35896	multiplicationFixedLoadCrossRegion	0.7393815859	36.9690793	1.818181818	0.4066598723
1024	4	8.35007	5.62623	multiplicationFixedLoadCrossRegion	1.484132359	37.10330897	3.076923077	0.4823430165
2048	8	81.8249	30.0107	multiplicationFixedLoadCrossRegion	2.726524206	34.08155258	4.705882353	0.5793863939

Matrix Size	Number Of Cores	# Time (serial)	# Time (parallel)	scenario	Speedup	Efficiency (%)	Theoretical Speedup (Amdahl’s Law)	Amdahl's Speedup
4096	16	740.54927	2737.52	multiplicationFixedLoadCrossRegion	0.2705183049	1.690739406	6.4	0.04226848514

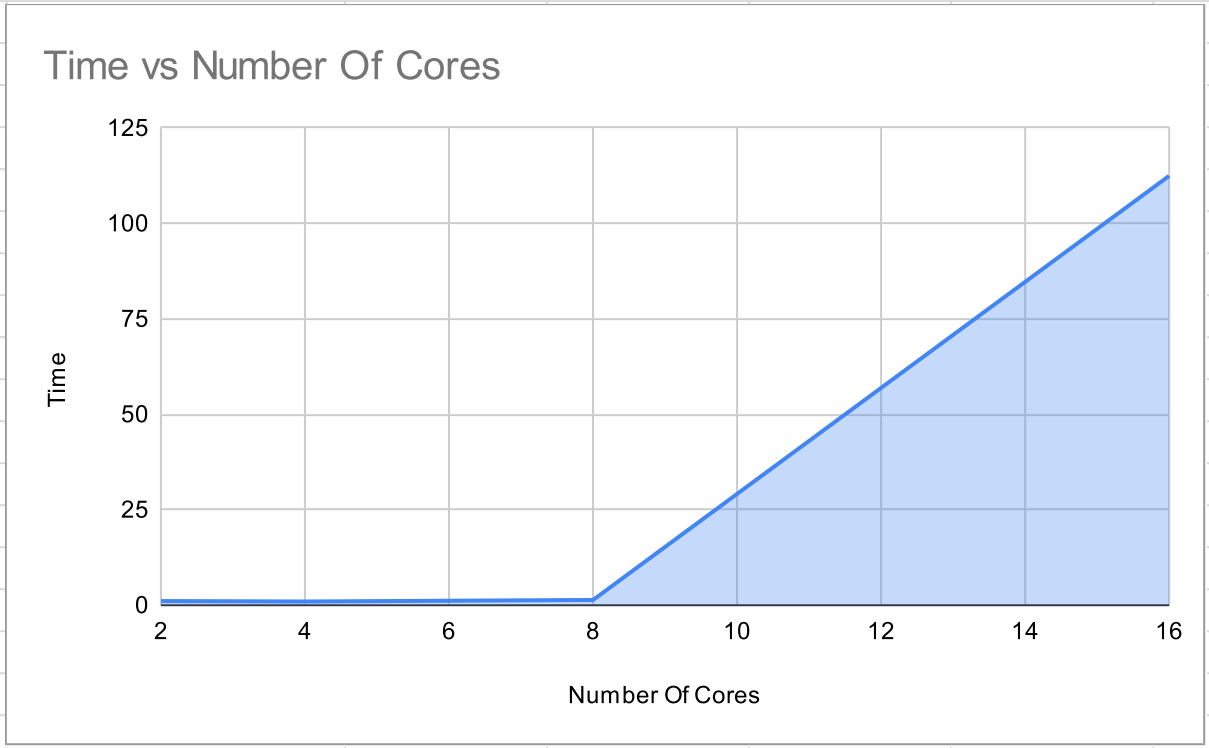
Matrix Size	Number Of Cores	Time
4096	4	5.77228
4096	8	1.31268
4096	16	1.17111

invFSS



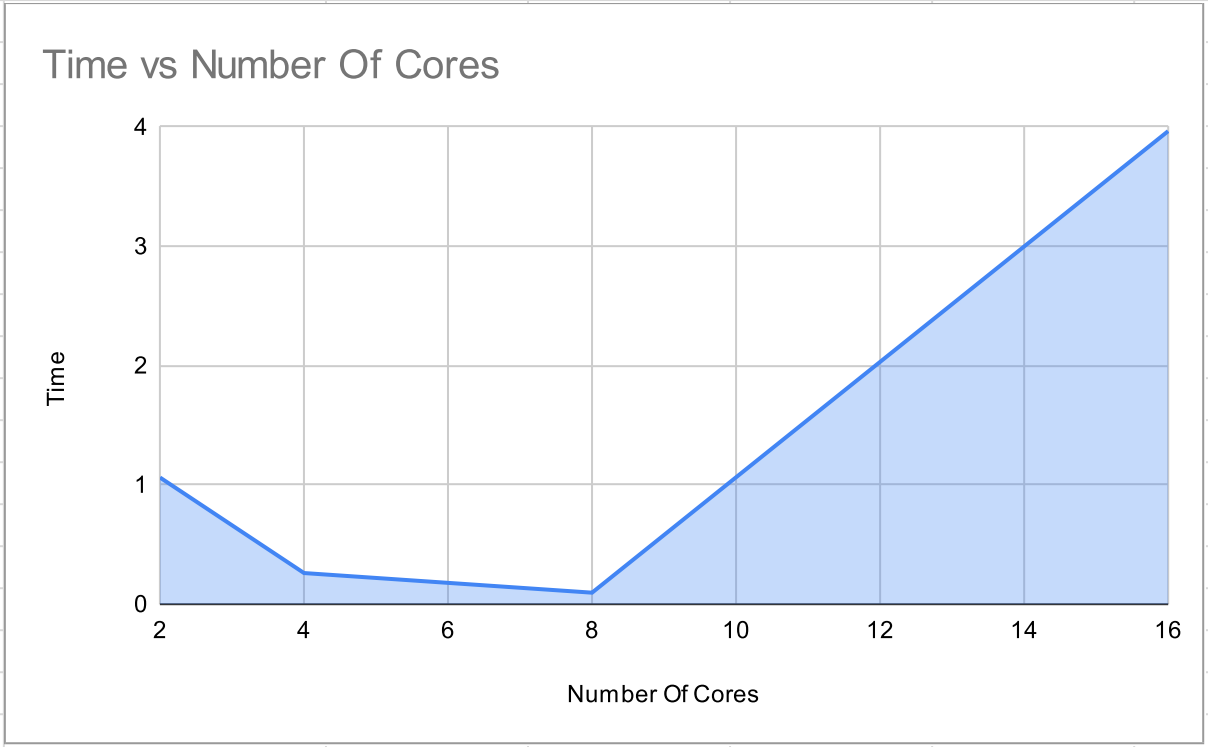
Matrix Size	Number Of Cores	Time
1024	2	1.06391
2048	4	0.9436
4096	8	1.34828
8192	16	112.437

invFLS



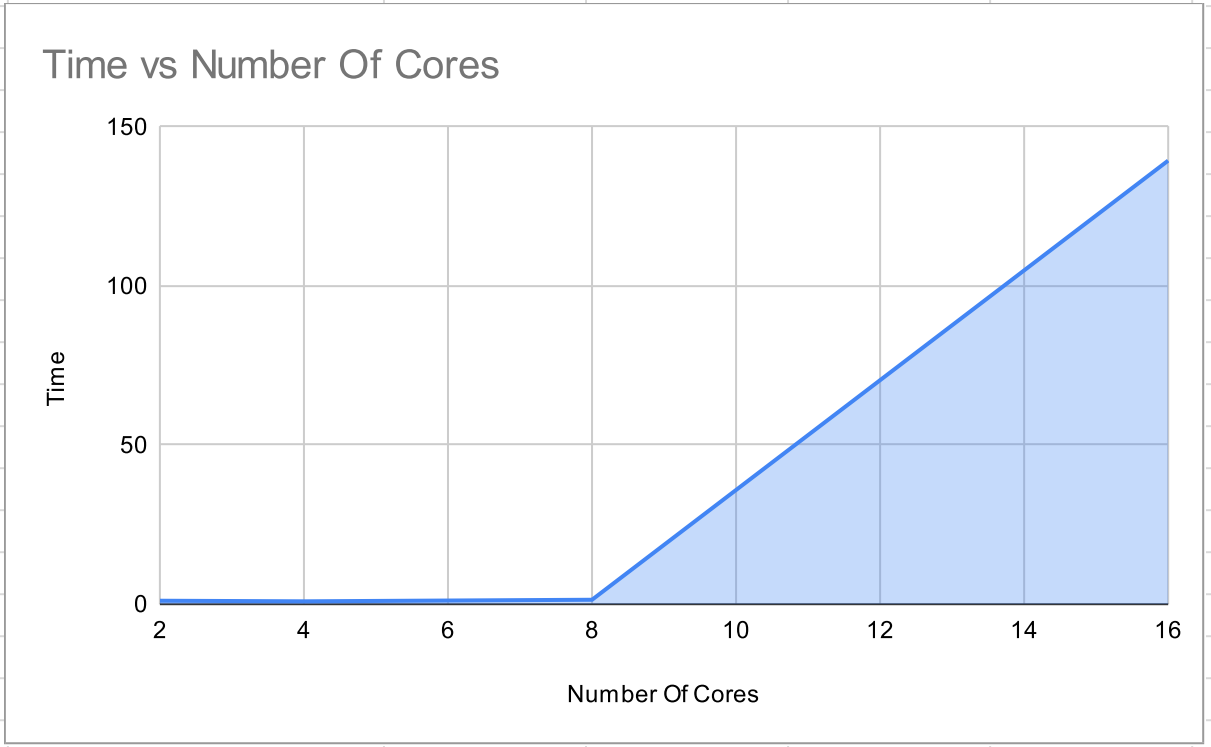
Matrix Size	Number Of Cores	Time
1024	2	1.06125
1024	4	0.260469
1024	8	0.0959088
1024	16	3.96472

invFSM



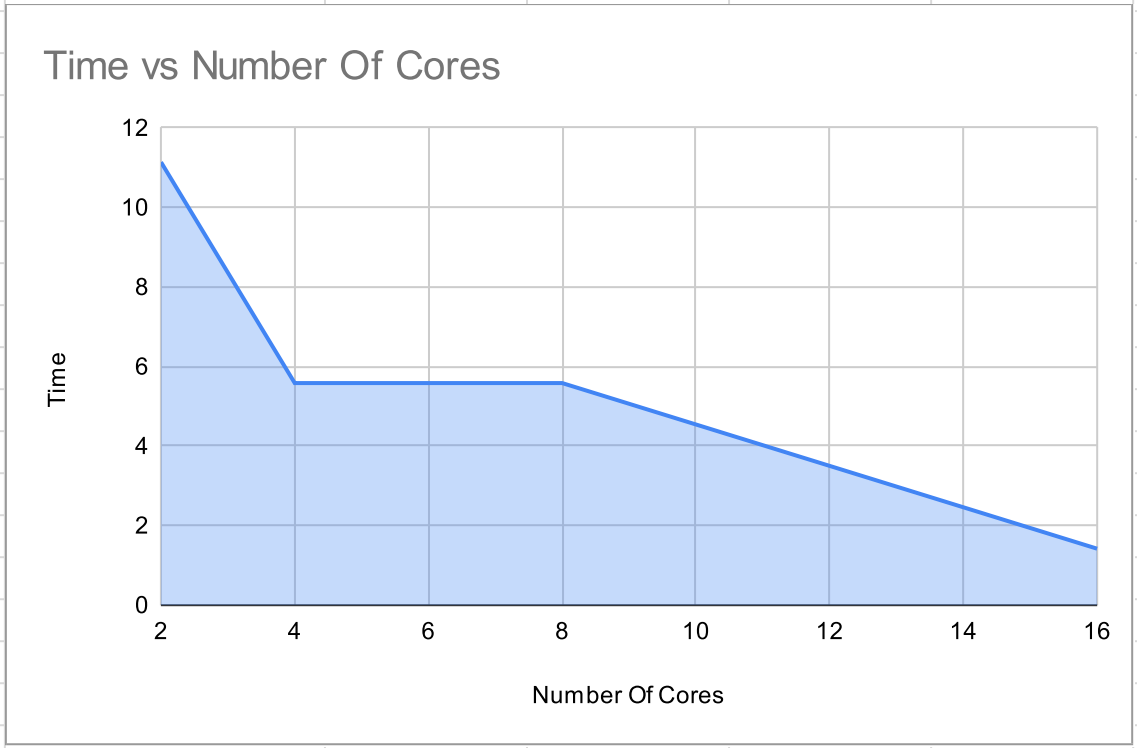
Matrix Size	Number Of Cores	Time
1024	2	1.06319
2048	4	0.877459
4096	8	1.36962
8192	16	139.404

invFLM



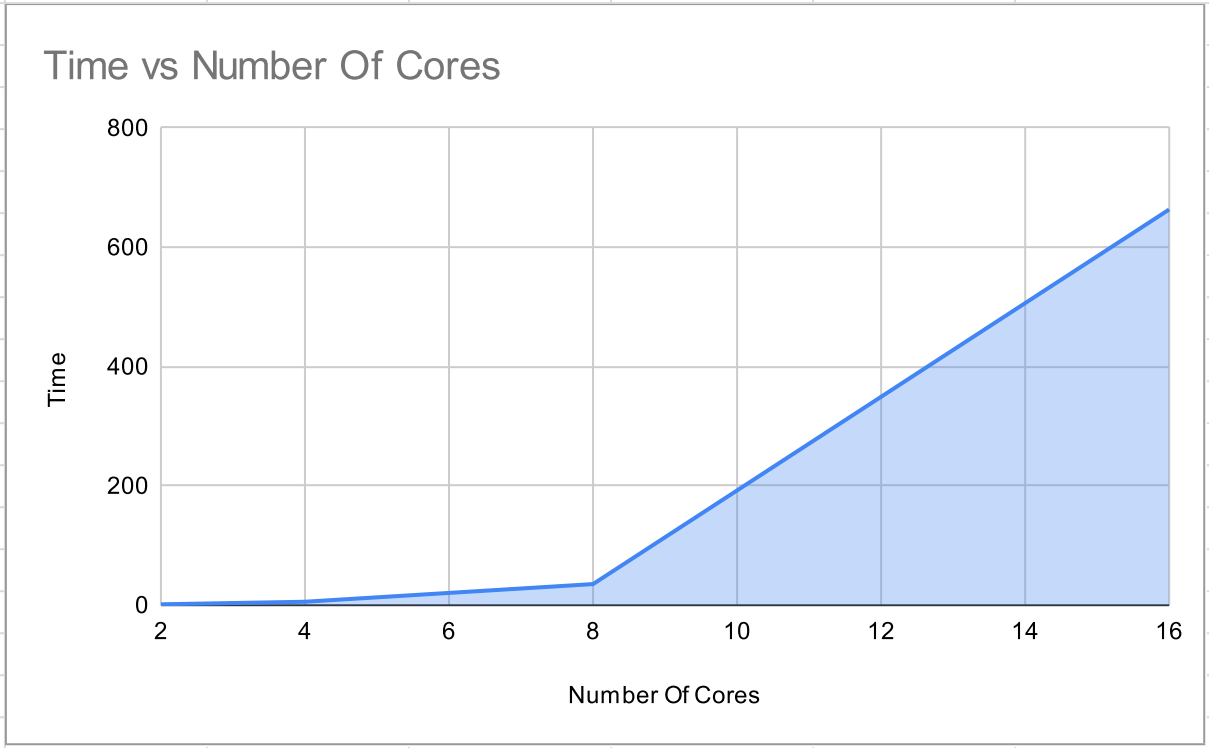
Matrix Size	Number Of Cores	Time
1024	2	11.1404
1024	4	5.58409
1024	8	5.58409
1024	16	1.4189

mulFSS



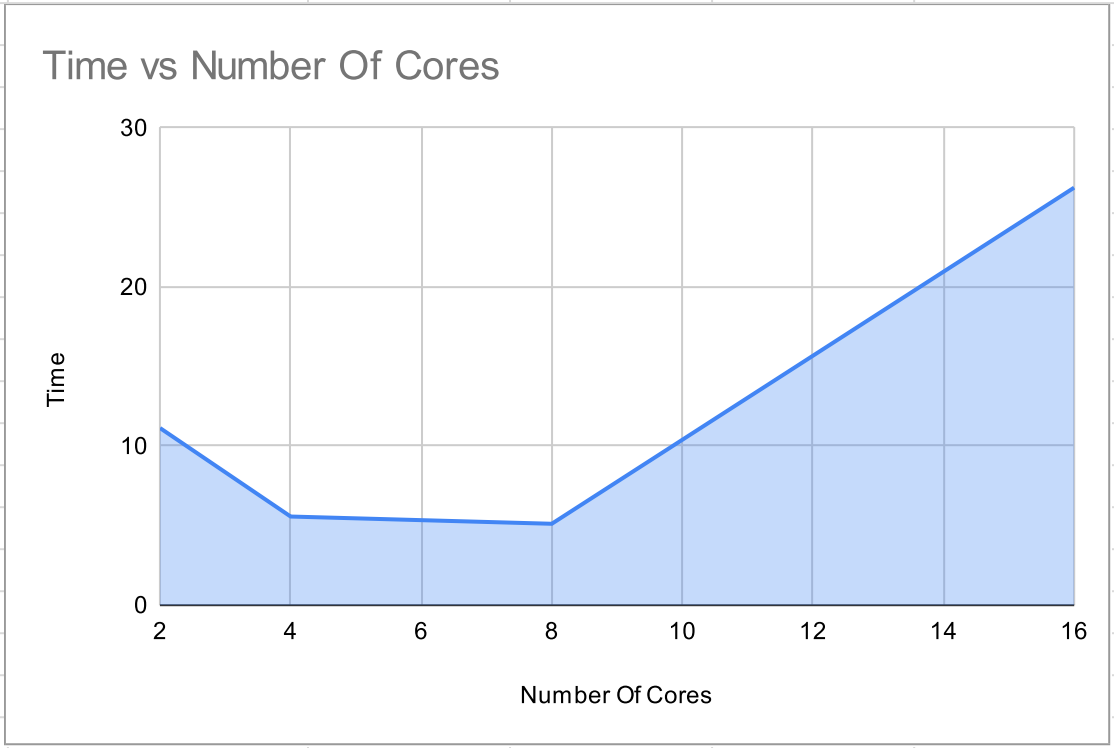
Matrix Size	Number Of Cores	Time
512	2	1.34979
1024	4	5.64873
2048	8	35.2633
4096	16	663.241

mulFLS



Matrix Size	Number Of Cores	Time
1024	2	11.1322
1024	4	5.56975
1024	8	5.11362
1024	16	26.2454

mulFSM



Matrix Size	Number Of Cores	Time
512	2	1.35896
1024	4	5.62623
2048	8	30.0107
4096	16	2737.52

mulFLM