

[Matrix]	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
50	0.001259	1,625,625.0	0.000283	1,625,625.0
50	0.002391	1,625,625.0	0.000295	1,625,625.0
50	0.001297	1,625,625.0	0.000287	1,625,625.0
50	0.001232	1,625,625.0	0.000280	1,625,625.0
50	0.001216	1,625,625.0	0.000291	1,625,625.0
50	0.001267	1,625,625.0	0.000289	1,625,625.0
100	0.010098	25,502,500.0	0.002294	25,502,500.0
100	0.010646	25,502,500.0	0.002014	25,502,500.0
100	0.009306	25,502,500.0	0.004446	25,502,500.0
100	0.009266	25,502,500.0	0.001982	25,502,500.0
100	0.009307	25,502,500.0	0.001979	25,502,500.0
100	0.009287	25,502,500.0	0.001974	25,502,500.0

[Matrix]	[Threads]	Time / Manual	Inf Norm / manual	Time / pThreads	Inf Norm / pThreads
50	2	0.001402	1,625,625.0	0.000780	1,625,625.0
50	2	0.001404	1,625,625.0	0.000777	1,625,625.0
50	2	0.001415	1,625,625.0	0.000775	1,625,625.0
50	5	0.001408	1,625,625.0	0.000938	1,625,625.0
50	5	0.001405	1,625,625.0	0.000895	1,625,625.0
50	5	0.001412	1,625,625.0	0.000936	1,625,625.0
100	10	0.011072	25,502,500.0	0.002305	25,502,500.0
100	10	0.011012	25,502,500.0	0.002738	25,502,500.0
100	10	0.011017	25,502,500.0	0.002255	25,502,500.0
100	20	0.011010	25,502,500.0	0.003405	25,502,500.0
100	20	0.011088	25,502,500.0	0.003177	25,502,500.0
100	20	0.011006	25,502,500.0	0.003435	25,502,500.0

[Matrix]	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
50	0.001199	89,502.0	0.000275	89,502.0
50	0.001742	89,502.0	0.000279	89,502.0
50	0.001195	89,502.0	0.000278	89,502.0
100	0.009499	353,266.0	0.001992	353,266.0
100	0.009315	353,266.0	0.002046	353,266.0
100	0.009298	353,266.0	0.002074	353,266.0
500	3.247450	8,117,937.0	0.653315	8,117,937.0
500	3.119148	8,117,937.0	0.651457	8,117,937.0
500	3.311281	8,117,937.0	0.651434	8,117,937.0
500	3.091983	8,117,937.0	0.652713	8,117,937.0
1000	20.251307	31,896,067.0	5.214984	31,896,067.0
1000	20.300947	31,896,067.0	5.213675	31,896,067.0
1000	20.192011	31,896,067.0	5.229068	31,896,067.0
1000	20.505856	31,896,067.0	5.217558	31,896,067.0

[Matrix]	[Threads]	Time / manual	Inf Norm / manual	Time / pThreads	Inf Norm / pThreads
50	10	0.001409	89,502.0	0.001412	83,084.0
50	10	0.001408	89,502.0	0.001331	83,084.0
50	10	0.001413	89,502.0	0.001488	83,084.0
100	10	0.011018	353,266.0	0.003031	324,244.0
100	10	0.011017	353,266.0	0.002967	328,456.0
100	10	0.011027	353,266.0	0.003410	328,456.0
500	20	2.277439	8,117,937.0	0.100086	7,887,576.0
500	20	2.266145	8,117,937.0	0.079707	7,958,041.0
500	20	2.263969	8,117,937.0	0.072114	7,969,826.0
500	20	2.267955	8,117,937.0	0.089036	7,941,189.0
1000	20	22.695424	31,896,067.0	0.657843	31,359,528.0
1000	20	22.644039	31,896,067.0	0.845433	31,359,528.0
1000	20	22.586039	31,896,067.0	0.761873	31,359,528.0
1000	20	22.867197	31,896,067.0	0.689865	31,359,528.0

[Matrix]	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
50	0.001193	1,625,625.0	0.000272	1,625,625.0
150	0.062508	128,255,625.0	0.006597	128,255,625.0
200	0.093369	404,010,000.0	0.016680	404,010,000.0
250	0.352370	984,390,625.0	0.072505	984,390,625.0
300	0.652539	2,038,522,500.0	0.126024	2,038,522,500.0
350	0.993798	3,773,030,625.0	0.218930	3,773,030,625.0
400	1.081100	6,432,040,000.0	0.330587	6,432,040,000.0
450	2.387546	10,297,175,625.0	0.476119	10,297,175,625.0
500	3.082533	15,687,562,500.0	0.644611	15,687,562,500.0
550	4.249742	22,959,825,625.0	0.858860	22,959,825,625.0
600	4.298823	32,508,090,000.0	1.112652	32,508,090,000.0
650	6.642814	44,763,980,625.0	1.421403	44,763,980,625.0
700	8.440308	60,196,622,500.0	1.762349	60,196,622,500.0
750	10.307231	79,312,640,625.0	2.180169	79,312,640,625.0
800	9.210082	102,656,160,000.0	2.662343	102,656,160,000.0
850	15.091394	130,808,805,625.0	3.157122	130,808,805,625.0
900	18.004254	164,389,702,500.0	3.754617	164,389,702,500.0
950	21.020247	204,055,475,625.0	4.394798	204,055,475,625.0
1000	20.269382	250,500,250,000.0	5.117270	250,500,250,000.0

[Matrix]	[Threads]	Time / manual	Inf Norm / manual	Time / pThreads	Inf Norm / pThreads
50	10	0.001402	1,625,625.0	0.001368	1,625,625.0
150	10	0.036497	128,255,625.0	0.005516	128,255,625.0
200	20	0.103509	404,010,000.0	0.010126	404,010,000.0
1000	100	22.578228	250,500,250,000.0	0.629005	250,500,250,000.0
300	30	0.394802	2,038,522,500.0	0.019049	2,038,522,500.0
1000	100	22.531387	250,500,250,000.0	0.623278	250,500,250,000.0
400	40	1.014198	6,432,040,000.0	0.045393	6,432,040,000.0
1000	100	22.699620	250,500,250,000.0	0.637117	250,500,250,000.0
500	50	2.278428	15,687,562,500.0	0.081549	15,687,562,500.0
550	50	3.056677	22,959,825,625.0	0.100339	22,959,825,625.0
600	60	4.072283	32,508,090,000.0	0.149209	32,508,090,000.0
1000	100	22.626312	250,500,250,000.0	0.625287	250,500,250,000.0
700	70	7.611243	60,196,622,500.0	0.220870	60,196,622,500.0
1000	100	22.560374	250,500,250,000.0	0.630177	250,500,250,000.0
800	80	10.029581	102,656,160,000.0	0.327374	102,656,160,000.0
1000	100	22.596446	250,500,250,000.0	0.638827	250,500,250,000.0
900	90	20.174155	164,389,702,500.0	0.450073	164,389,702,500.0
1000	100	22.571971	250,500,250,000.0	0.635937	250,500,250,000.0
1000	100	22.702559	250,500,250,000.0	0.647013	250,500,250,000.0