

<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -r	50	0.001202	89,502.0	0.000275	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001201	89,502.0	0.000273	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001197	89,502.0	0.000279	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001201	89,502.0	0.000277	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001198	89,502.0	0.000283	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001199	89,502.0	0.000276	89,502.0
./A2-pthreads-manual-cblas -r	100	0.009303	353,266.0	0.001979	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009351	353,266.0	0.001987	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009313	353,266.0	0.001989	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009438	353,266.0	0.001982	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009326	353,266.0	0.001982	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009328	353,266.0	0.001984	353,266.0
./A2-pthreads-manual-cblas -r	50	0.001195	89,502.0	0.000277	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001196	89,502.0	0.000283	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001206	89,502.0	0.000277	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001238	89,502.0	0.000280	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001203	89,502.0	0.000278	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001192	89,502.0	0.000280	89,502.0
./A2-pthreads-manual-cblas -r	100	0.009321	353,266.0	0.005735	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009326	353,266.0	0.002006	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009396	353,266.0	0.001986	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009311	353,266.0	0.004446	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009299	353,266.0	0.001986	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009279	353,266.0	0.001978	353,266.0

<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -i	50	0.001259	1,625,625.0	0.000283	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.002391	1,625,625.0	0.000295	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001297	1,625,625.0	0.000287	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001232	1,625,625.0	0.000280	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001216	1,625,625.0	0.000291	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001267	1,625,625.0	0.000289	1,625,625.0
./A2-pthreads-manual-cblas -i	100	0.010098	25,502,500.0	0.002294	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.010646	25,502,500.0	0.002014	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009306	25,502,500.0	0.004446	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009266	25,502,500.0	0.001982	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009307	25,502,500.0	0.001979	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009287	25,502,500.0	0.001974	25,502,500.0
./A2-pthreads-manual-cblas -i	50	0.001194	1,625,625.0	0.000273	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001662	1,625,625.0	0.000274	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001197	1,625,625.0	0.000284	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001198	1,625,625.0	0.000274	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001202	1,625,625.0	0.000273	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001203	1,625,625.0	0.000273	1,625,625.0
./A2-pthreads-manual-cblas -i	100	0.015590	25,502,500.0	0.002003	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009303	25,502,500.0	0.001977	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009298	25,502,500.0	0.001981	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009405	25,502,500.0	0.001979	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009290	25,502,500.0	0.001989	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009297	25,502,500.0	0.001990	25,502,500.0

manual

<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -r	50	0.001199	89,502.0	0.000275	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001742	89,502.0	0.000279	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001195	89,502.0	0.000278	89,502.0
./A2-pthreads-manual-cblas -r	100	0.009499	353,266.0	0.001992	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009315	353,266.0	0.002046	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009298	353,266.0	0.002074	353,266.0
./A2-pthreads-manual-cblas -r	500	3.247450	8,117,937.0	0.653315	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.119148	8,117,937.0	0.651457	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.311281	8,117,937.0	0.651434	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.091983	8,117,937.0	0.652713	8,117,937.0
./A2-pthreads-manual-cblas -r	1000	20.251307	31,896,067.0	5.214984	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	20.300947	31,896,067.0	5.213675	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	20.192011	31,896,067.0	5.229068	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	20.505856	31,896,067.0	5.217558	31,896,067.0
./A2-pthreads-manual-cblas -r	50	0.001194	89,502.0	0.000273	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001195	89,502.0	0.000274	89,502.0
./A2-pthreads-manual-cblas -r	50	0.001205	89,502.0	0.000275	89,502.0
./A2-pthreads-manual-cblas -r	100	0.009327	353,266.0	0.001991	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009324	353,266.0	0.001989	353,266.0
./A2-pthreads-manual-cblas -r	100	0.009338	353,266.0	0.002017	353,266.0
./A2-pthreads-manual-cblas -r	500	3.055617	8,117,937.0	0.647558	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.079544	8,117,937.0	0.647640	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.075784	8,117,937.0	0.647560	8,117,937.0
./A2-pthreads-manual-cblas -r	500	3.079752	8,117,937.0	0.646994	8,117,937.0
./A2-pthreads-manual-cblas -r	1000	20.499682	31,896,067.0	5.126204	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	19.939184	31,896,067.0	5.101704	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	20.639626	31,896,067.0	5.305914	31,896,067.0
./A2-pthreads-manual-cblas -r	1000	20.272806	31,896,067.0	5.207787	31,896,067.0
<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -i	50	0.001194	1,625,625.0	0.000275	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001195	1,625,625.0	0.000277	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001192	1,625,625.0	0.000279	1,625,625.0
./A2-pthreads-manual-cblas -i	100	0.009297	25,502,500.0	0.001984	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009348	25,502,500.0	0.001983	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009267	25,502,500.0	0.001976	25,502,500.0
./A2-pthreads-manual-cblas -i	500	3.080425	15,687,562,500.0	0.641401	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.112705	15,687,562,500.0	0.641102	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.082249	15,687,562,500.0	0.640499	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.081559	15,687,562,500.0	0.644471	15,687,562,500.0
./A2-pthreads-manual-cblas -i	1000	20.073517	250,500,250,000.0	5.152608	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	20.013564	250,500,250,000.0	5.123747	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	20.607161	250,500,250,000.0	5.152919	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	20.096499	250,500,250,000.0	5.164086	250,500,250,000.0
./A2-pthreads-manual-cblas -i	50	0.001222	1,625,625.0	0.000274	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001200	1,625,625.0	0.000274	1,625,625.0
./A2-pthreads-manual-cblas -i	50	0.001208	1,625,625.0	0.000278	1,625,625.0
./A2-pthreads-manual-cblas -i	100	0.009360	25,502,500.0	0.001993	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009315	25,502,500.0	0.001991	25,502,500.0
./A2-pthreads-manual-cblas -i	100	0.009289	25,502,500.0	0.001983	25,502,500.0
./A2-pthreads-manual-cblas -i	500	3.041600	15,687,562,500.0	0.645565	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.163960	15,687,562,500.0	0.644723	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.078707	15,687,562,500.0	0.640226	15,687,562,500.0
./A2-pthreads-manual-cblas -i	500	3.076091	15,687,562,500.0	0.643444	15,687,562,500.0
./A2-pthreads-manual-cblas -i	1000	20.266145	250,500,250,000.0	5.121193	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	20.055608	250,500,250,000.0	5.103926	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	19.965258	250,500,250,000.0	5.144229	250,500,250,000.0
./A2-pthreads-manual-cblas -i	1000	19.876712	250,500,250,000.0	5.094854	250,500,250,000.0

<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -r	50	0.001299	89,502.0	0.000307	89,502.0
./A2-pthreads-manual-cblas -r	150	0.037241	772,112.0	0.007939	772,112.0
./A2-pthreads-manual-cblas -r	200	0.124785	1,322,244.0	0.025349	1,322,244.0
./A2-pthreads-manual-cblas -r	250	0.341618	2,081,836.0	0.064024	2,081,836.0
./A2-pthreads-manual-cblas -r	300	0.612026	3,011,393.0	0.132935	3,011,393.0
./A2-pthreads-manual-cblas -r	350	0.986115	4,095,433.0	0.222378	4,095,433.0
./A2-pthreads-manual-cblas -r	400	1.081713	5,225,598.0	0.330024	5,225,598.0
./A2-pthreads-manual-cblas -r	450	2.224804	6,598,115.0	0.469677	6,598,115.0
./A2-pthreads-manual-cblas -r	500	3.155695	8,117,937.0	0.646205	8,117,937.0
./A2-pthreads-manual-cblas -r	550	4.036771	9,746,097.0	0.856691	9,746,097.0
./A2-pthreads-manual-cblas -r	600	4.280408	11,584,750.0	1.107333	11,584,750.0
./A2-pthreads-manual-cblas -r	650	6.654927	13,574,185.0	1.407244	13,574,185.0
./A2-pthreads-manual-cblas -r	700	8.415577	15,701,890.0	1.757862	15,701,890.0
./A2-pthreads-manual-cblas -r	750	10.446816	18,100,461.0	2.172926	18,100,461.0
./A2-pthreads-manual-cblas -r	800	10.345640	20,461,090.0	2.631782	20,461,090.0
./A2-pthreads-manual-cblas -r	850	14.921297	23,321,446.0	3.154325	23,321,446.0
./A2-pthreads-manual-cblas -r	900	18.114296	25,890,261.0	3.742948	25,890,261.0
./A2-pthreads-manual-cblas -r	950	20.963989	28,863,806.0	4.391238	28,863,806.0
./A2-pthreads-manual-cblas -r	1000	20.036045	31,896,067.0	5.105140	31,896,067.0
./A2-pthreads-manual-cblas -r	50	0.001198	89,502.0	0.000277	89,502.0
./A2-pthreads-manual-cblas -r	150	0.031242	772,112.0	0.006532	772,112.0
./A2-pthreads-manual-cblas -r	200	0.094799	1,322,244.0	0.016427	1,322,244.0
./A2-pthreads-manual-cblas -r	250	0.285936	2,081,836.0	0.059638	2,081,836.0
./A2-pthreads-manual-cblas -r	300	0.597465	3,011,393.0	0.133201	3,011,393.0
./A2-pthreads-manual-cblas -r	350	0.996649	4,095,433.0	0.223727	4,095,433.0
./A2-pthreads-manual-cblas -r	400	1.081898	5,225,598.0	0.331603	5,225,598.0
./A2-pthreads-manual-cblas -r	450	2.195723	6,598,115.0	0.474050	6,598,115.0
./A2-pthreads-manual-cblas -r	500	3.051341	8,117,937.0	0.647024	8,117,937.0
./A2-pthreads-manual-cblas -r	550	4.164886	9,746,097.0	0.862614	9,746,097.0
./A2-pthreads-manual-cblas -r	600	4.426588	11,584,750.0	1.114165	11,584,750.0
./A2-pthreads-manual-cblas -r	650	6.704661	13,574,185.0	1.412377	13,574,185.0
./A2-pthreads-manual-cblas -r	700	8.479324	15,701,890.0	1.761060	15,701,890.0
./A2-pthreads-manual-cblas -r	750	10.389538	18,100,461.0	2.169991	18,100,461.0
./A2-pthreads-manual-cblas -r	800	10.622015	20,461,090.0	2.646453	20,461,090.0
./A2-pthreads-manual-cblas -r	850	15.084184	23,321,446.0	3.156021	23,321,446.0
./A2-pthreads-manual-cblas -r	900	18.183891	25,890,261.0	3.751744	25,890,261.0
./A2-pthreads-manual-cblas -r	950	21.633958	28,863,806.0	4.388081	28,863,806.0
./A2-pthreads-manual-cblas -r	1000	20.132292	31,896,067.0	5.122467	31,896,067.0

<i>Using</i>	Matrix	Time / manual	Inf Norm / manual	Time / dgemm	Inf Norm / dgemm
./A2-pthreads-manual-cblas -i	50	0.001193	1,625,625.0	0.000272	1,625,625.0
./A2-pthreads-manual-cblas -i	150	0.062508	128,255,625.0	0.006597	128,255,625.0
./A2-pthreads-manual-cblas -i	200	0.093369	404,010,000.0	0.016680	404,010,000.0
./A2-pthreads-manual-cblas -i	250	0.352370	984,390,625.0	0.072505	984,390,625.0
./A2-pthreads-manual-cblas -i	300	0.652539	2,038,522,500.0	0.126024	2,038,522,500.0
./A2-pthreads-manual-cblas -i	350	0.993798	3,773,030,625.0	0.218930	3,773,030,625.0
./A2-pthreads-manual-cblas -i	400	1.081100	6,432,040,000.0	0.330587	6,432,040,000.0
./A2-pthreads-manual-cblas -i	450	2.387546	10,297,175,625.0	0.476119	10,297,175,625.0
./A2-pthreads-manual-cblas -i	500	3.082533	15,687,562,500.0	0.644611	15,687,562,500.0
./A2-pthreads-manual-cblas -i	550	4.249742	22,959,825,625.0	0.858860	22,959,825,625.0
./A2-pthreads-manual-cblas -i	600	4.298823	32,508,090,000.0	1.112652	32,508,090,000.0
./A2-pthreads-manual-cblas -i	650	6.642814	44,763,980,625.0	1.421403	44,763,980,625.0
./A2-pthreads-manual-cblas -i	700	8.440308	60,196,622,500.0	1.762349	60,196,622,500.0
./A2-pthreads-manual-cblas -i	750	10.307231	79,312,640,625.0	2.180169	79,312,640,625.0
./A2-pthreads-manual-cblas -i	800	9.210082	102,656,160,000.0	2.662343	102,656,160,000.0
./A2-pthreads-manual-cblas -i	850	15.091394	130,808,805,625.0	3.157122	130,808,805,625.0
./A2-pthreads-manual-cblas -i	900	18.004254	164,389,702,500.0	3.754617	164,389,702,500.0
./A2-pthreads-manual-cblas -i	950	21.020247	204,055,475,625.0	4.394798	204,055,475,625.0
./A2-pthreads-manual-cblas -i	1000	20.269382	250,500,250,000.0	5.117270	250,500,250,000.0
./A2-pthreads-manual-cblas -i	50	0.001194	1,625,625.0	0.000273	1,625,625.0
./A2-pthreads-manual-cblas -i	150	0.031261	128,255,625.0	0.006626	128,255,625.0
./A2-pthreads-manual-cblas -i	200	0.110694	404,010,000.0	0.015637	404,010,000.0
./A2-pthreads-manual-cblas -i	250	0.293485	984,390,625.0	0.060926	984,390,625.0
./A2-pthreads-manual-cblas -i	300	0.651598	2,038,522,500.0	0.147015	2,038,522,500.0
./A2-pthreads-manual-cblas -i	350	1.101349	3,773,030,625.0	0.250406	3,773,030,625.0
./A2-pthreads-manual-cblas -i	400	1.085703	6,432,040,000.0	0.413507	6,432,040,000.0
./A2-pthreads-manual-cblas -i	450	2.180051	10,297,175,625.0	0.470420	10,297,175,625.0
./A2-pthreads-manual-cblas -i	500	3.079099	15,687,562,500.0	0.643537	15,687,562,500.0
./A2-pthreads-manual-cblas -i	550	4.220882	22,959,825,625.0	0.852399	22,959,825,625.0
./A2-pthreads-manual-cblas -i	600	4.286083	32,508,090,000.0	1.106982	32,508,090,000.0
./A2-pthreads-manual-cblas -i	650	6.674248	44,763,980,625.0	1.412180	44,763,980,625.0
./A2-pthreads-manual-cblas -i	700	8.440920	60,196,622,500.0	1.765974	60,196,622,500.0
./A2-pthreads-manual-cblas -i	750	10.329453	79,312,640,625.0	2.173019	79,312,640,625.0
./A2-pthreads-manual-cblas -i	800	9.612526	102,656,160,000.0	2.622674	102,656,160,000.0
./A2-pthreads-manual-cblas -i	850	15.167497	130,808,805,625.0	3.142448	130,808,805,625.0
./A2-pthreads-manual-cblas -i	900	17.957808	164,389,702,500.0	3.728599	164,389,702,500.0
./A2-pthreads-manual-cblas -i	950	20.988347	204,055,475,625.0	4.394569	204,055,475,625.0
./A2-pthreads-manual-cblas -i	1000	20.032625	250,500,250,000.0	5.418355	250,500,250,000.0