QR Size: 50x50, Condition Number: 80.58649456117132

threads	n	m	cond_num	rank	outer_tol	outer_maxiters	inner_tol	inner_maxiters	als_error	svdt_error	als_svdt_error	converged_als	als_time	svdt_time
Int64	Int64	Int64	Float64	Int64	Float64	Int64	Float64	Int64	Float64	Float64	Float64	Bool	Float64	Float64
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	25	29.928	29.9278	0.398684	false	0.0206148	0.000509458
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	50	29.9279	29.9278	0.267128	false	0.0199518	0.000509458
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	75	29.9298	29.9278	1.34958	false	0.0211862	0.000509458
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	100	29.9278	29.9278	0.114662	false	0.0208206	0.000509458
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	25	29.9278	29.9278	0.122861	false	0.0436374	0.000509458
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	50	29.9279	29.9278	0.345808	false	0.0459692	0.000509458
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	75	29.9278	29.9278	0.16392	false	0.0520921	0.000509458
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	100	29.9278	29.9278	0.0915447	false	0.042266	0.000509458
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	25	29.9278	29.9278	0.00156949	false	0.0196266	0.000509458
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	50	29.9278	29.9278	0.000528641	false	0.0186699	0.000509458
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	75	29.9278	29.9278	0.000316561	false	0.0177511	0.000509458
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	100	29.9278	29.9278	0.00103474	false	0.0177834	0.000509458
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	25	29.9278	29.9278	3.33575e-5	false	0.0238472	0.000509458
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	50	29.9278	29.9278	4.80538e-5	false	0.0244227	0.000509458
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	75	29.9278	29.9278	0.000111967	false	0.0242934	0.000509458
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	100	29.9278	29.9278	5.10217e-5	false	0.0237797	0.000509458
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	25	16.4839	16.4838	0.213285	false	0.0257197	0.000374458
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	50	16.4839	16.4838	0.249783	false	0.0252524	0.000374458
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	75	16.4936	16.4838	2.20342	false	0.0247052	0.000374458
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	100	16.4864	16.4838	1.14224	false	0.0250446	0.000374458
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	25	16.4839	16.4838	0.268962	false	0.0561741	0.000374458
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	50	16.4838	16.4838	0.152838	false	0.055043	0.000374458
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	75	16.4838	16.4838	0.107368	false	0.0505276	0.000374458
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	100	16.4838	16.4838	0.00300699	false	0.0187108	0.000374458
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	25	16.4838	16.4838	0.00128154	false	0.0268479	0.000374458
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	50	16.4838	16.4838	0.000351333	false	0.0274506	0.000374458
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	75	16.4838	16.4838	0.00273106	false	0.0273963	0.000374458
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	100	16.4838	16.4838	0.000799305	false	0.0267198	0.000374458
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	25	16.4838	16.4838	2.64441e-5	false	0.0372327	0.000374458
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	50	16.4838	16.4838	1.0225e-5	false	0.0372735	0.000374458
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	75	16.4838	16.4838	1.74616e-5	false	0.0357835	0.000374458
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	100	16.4838	16.4838	2.32026e-5	false	0.0353407	0.000374458
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	25	5.48133	5.48128	0.0664625	false	0.0378541	0.000373125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	50	5.48254	5.48128	0.34177	false	0.0335291	0.000373125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	75	5.48131	5.48128	0.0449588	false	0.0325026	0.000373125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	100	5.48163	5.48128	0.175466	false	0.0324017	0.000373125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	25	5.48128	5.48128	2.89651e-6	false	0.0649956	0.000373125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	50	5.48128	5.48128	6.00008e-5	false	0.066326	0.000373125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	75	5.48128	5.48128	1.75778e-5	false	0.0902549	0.000373125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	100	5.48128	5.48128	0.00628391	false	0.0761452	0.000373125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	25	5.48128	5.48128	6.60959e-8	false	0.110284	0.000373125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	50	5.48128	5.48128	8.90385e-8	false	0.101564	0.000373125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	75	5.48128	5.48128	4.38618e-7	false	0.101941	0.000373125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	100	5.48128	5.48128	1.20668e-7	false	0.12848	0.000373125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	25	5.48128	5.48128	1.22521e-10	false	0.136989	0.000373125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	50	5.48128	5.48128	1.13117e-9	false	0.128681	0.000373125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	75	5.48128	5.48128	9.24276e-11	false	0.133614	0.000373125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	100	5.48128	5.48128	8.59979e-11	false	0.153491	0.000373125
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	25	0.0	1.03154e-13	1.16912e-13	true	0.00896512	0.0004065
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	50	0.0	1.03154e-13	1.15532e-13	true	0.0023575	0.0004065
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	75	0.0	1.03154e-13	1.11475e-13	true	0.00239079	0.0004065
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	100	0.0	1.03154e-13	1.14182e-13	true	0.00234412	0.0004065
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	25	0.0	1.03154e-13	1.12473e-13	true	0.00325954	0.0004065
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	50	0.0	1.03154e-13	1.1646e-13	true	0.00275308	0.0004065

threads	n	m	cond_num	rank	outer_tol	outer_maxiters	inner_tol	inner_maxiters	als_error	svdt_error	als_svdt_error	converged_als	als_time	svdt_time
Int64	Int64	Int64	Float64	Int64	Float64	Int64	Float64	Int64	Float64	Float64	Float64	Bool	Float64	Float64
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	75	0.0	1.03154e-13	1.16065e-13	true	0.00206837	0.0004065
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	100	0.0	1.03154e-13	1.14938e-13	true	0.00191533	0.0004065
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	25	0.0	1.03154e-13	1.15036e-13	true	0.00247742	0.0004065
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	50	0.0	1.03154e-13	1.17588e-13	true	0.00176554	0.0004065
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	75	0.0	1.03154e-13	1.1799e-13	true	0.00288338	0.0004065
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	100	0.0	1.03154e-13	1.15261e-13	true	0.00293771	0.0004065
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	25	0.0	1.03154e-13	1.16385e-13	true	0.00205038	0.0004065
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	50	0.0	1.03154e-13	1.14767e-13	true	0.00246454	0.0004065
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	75	0.0	1.03154e-13	1.14948e-13	true	0.00191454	0.0004065
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	100	0.0	1.03154e-13	1.16408e-13	true	0.00252004	0.0004065