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	29.9307	29.9278	1.63154	false	0.0319425	0.000732959
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	50	29.9279	29.9278	0.326681	false	0.0232168	0.000732959
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	75	29.93	29.9278	1.28774	false	0.0224037	0.000732959
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	100	29.9285	29.9278	0.797833	false	0.0256869	0.000732959
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	25	29.9278	29.9278	0.0246627	false	0.0474408	0.000732959
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	50	29.9278	29.9278	0.00973745	false	0.0464481	0.000732959
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	75	29.9278	29.9278	0.109553	false	0.0425198	0.000732959
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	100	29.9278	29.9278	0.0916134	false	0.029471	0.000732959
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	25	29.9278	29.9278	0.000339185	false	0.020688	0.000732959
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	50	29.9278	29.9278	0.0790111	false	0.0200375	0.000732959
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	75	29.9278	29.9278	0.00039597	false	0.020406	0.000732959
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	100	29.9278	29.9278	0.000752715	false	0.0197324	0.000732959
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	25	29.9279	29.9278	0.24552	false	0.0267584	0.000732959
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	50	29.9278	29.9278	2.27089e-5	false	0.0256551	0.000732959
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	75	29.9278	29.9278	4.60228e-5	false	0.0256494	0.000732959
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	100	29.9278	29.9278	2.38526e-5	false	0.0256635	0.000732959
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	25	16.4838	16.4838	0.0877604	false	0.0315358	0.000390208
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	50	16.4839	16.4838	0.269718	false	0.0309	0.000390208
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	75	16.5502	16.4838	5.77538	false	0.0328867	0.000390208
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	100	16.4838	16.4838	0.120316	false	0.0319785	0.000390208
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	25	16.4838	16.4838	0.0175378	false	0.0650415	0.000390208
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	50	16.4838	16.4838	0.0407483	false	0.0757275	0.000390208
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	75	16.4838	16.4838	0.0246178	false	0.102245	0.000390208
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	100	16.4838	16.4838	0.0932409	false	0.0686204	0.000390208
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	25	16.4838	16.4838	0.000611938	false	0.107615	0.000390208
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	50	16.4838	16.4838	0.000974774	false	0.044732	0.000390208
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	75	16.4838	16.4838	0.000584328	false	0.0421105	0.000390208
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	100	16.4838	16.4838	2.33639e-5	false	0.0429066	0.000390208
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	25	16.4838	16.4838	0.000407493	false	0.053964	0.000390208
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	50	16.4838	16.4838	2.20088e-5	false	0.0628455	0.000390208
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	75	16.4838	16.4838	6.40424e-5	false	0.0612436	0.000390208
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	100	16.4838	16.4838	2.87901e-5	false	0.0596975	0.000390208
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	25	5.48449	5.48128	0.214163	false	0.0421773	0.0003845
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	50	5.48128	5.48128	0.00621172	false	0.054459	0.0003845
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	75	5.48546	5.48128	0.623277	false	0.0563286	0.0003845
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	100	5.48128	5.48128	0.00520902	false	0.0563833	0.0003845
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	25	5.48139	5.48128	0.0369208	false	0.0659098	0.0003845
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	50	5.48128	5.48128	0.000101254	false	0.0499633	0.0003845
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	75	5.48128	5.48128	8.30217e-5	false	0.0517162	0.0003845
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	100	5.48128	5.48128	1.3046e-5	false	0.0541017	0.0003845
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	25	5.48136	5.48128	0.0295766	false	0.0527335	0.0003845
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	50	5.48128	5.48128	0.00367364	false	0.0735209	0.0003845
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	75	5.48128	5.48128	2.41239e-6	false	0.0766665	0.0003845
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	100	5.48128	5.48128	9.33578e-6	false	0.0739626	0.0003845
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	25	5.48155	5.48128	0.0570375	false	0.0699704	0.0003845
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	50	5.48128	5.48128	0.000914923	false	0.0958001	0.0003845
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	75	5.48128	5.48128	9.01243e-6	false	0.0977633	0.0003845
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	100	5.48128	5.48128	7.74525e-6	false	0.0957124	0.0003845
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	25	0.24448	1.03154e-13	0.24448	false	0.0539979	0.00037925
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	50	0.112021	1.03154e-13	0.112021	false	0.0753345	0.00037925
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	75	0.0329843	1.03154e-13	0.0329843	false	0.0930784	0.00037925
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	100	0.0141078	1.03154e-13	0.0141078	false	0.0700379	0.00037925
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	25	0.194607	1.03154e-13	0.194607	false	0.0476083	0.00037925
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	50	0.0639237	1.03154e-13	0.0639237	false	0.0656955	0.00037925

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	0.0170878	1.03154e-13	0.0170878	false	0.0835754	0.00037925
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	100	0.00537828	1.03154e-13	0.00537828	false	0.0940596	0.00037925
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	25	0.147718	1.03154e-13	0.147718	false	0.069478	0.00037925
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	50	0.0570704	1.03154e-13	0.0570704	false	0.100945	0.00037925
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	75	0.0180287	1.03154e-13	0.0180287	false	0.130156	0.00037925
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	100	0.00904234	1.03154e-13	0.00904234	false	0.148374	0.00037925
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	25	0.202705	1.03154e-13	0.202705	false	0.0948826	0.00037925
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	50	0.068932	1.03154e-13	0.068932	false	0.1351	0.00037925
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	75	0.0173341	1.03154e-13	0.0173341	false	0.175649	0.00037925
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	100	0.00411233	1.03154e-13	0.00411233	false	0.18557	0.00037925
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	25	29.9284	29.9278	0.742289	false	0.0186012	0.000383709
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	50	29.9431	29.9278	3.79488	false	0.018664	0.000383709
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	75	29.934	29.9278	2.43213	false	0.0194439	0.000383709
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	100	29.9306	29.9278	1.53357	false	0.0192765	0.000383709
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	25	29.9278	29.9278	0.0151397	false	0.039308	0.000383709
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	50	29.9278	29.9278	0.0924947	false	0.0406363	0.000383709
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	75	29.9278	29.9278	0.122726	false	0.038967	0.000383709
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	100	29.9278	29.9278	0.0743487	false	0.0403992	0.000383709
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	25	29.9278	29.9278	0.00385705	false	0.0282384	0.000383709
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	50	29.9278	29.9278	0.00430626	false	0.0196716	0.000383709
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	75	29.9333	29.9278	2.2263	false	0.0187432	0.000383709
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	100	29.9278	29.9278	0.00369487	false	0.0202	0.000383709
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	25	29.9278	29.9278	1.65572e-5	false	0.0259504	0.000383709
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	50	29.9278	29.9278	6.4129e-5	false	0.027864	0.000383709
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	75	29.9278	29.9278	0.000130929	false	0.026129	0.000383709
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	100	29.9278	29.9278	3.58553e-5	false	0.0283498	0.000383709
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	25	16.4844	16.4838	0.542303	false	0.030802	0.000381625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	50	16.4838	16.4838	0.159591	false	0.0315434	0.000381625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	75	16.4844	16.4838	0.534912	false	0.0311504	0.000381625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	100	16.5128	16.4838	3.86556	false	0.03107	0.000381625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	25	16.4841	16.4838	0.415874	false	0.0611616	0.000381625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	50	16.4838	16.4838	0.185889	false	0.0634932	0.000381625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	75	16.4838	16.4838	0.0323356	false	0.0279078	0.000381625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	100	16.4838	16.4838	0.00287837	false	0.0274357	0.000381625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	25	16.4838	16.4838	0.000109717	false	0.0396755	0.000381625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	50	16.4838	16.4838	0.00042073	false	0.0391298	0.000381625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	75	16.4838	16.4838	0.000733111	false	0.042097	0.000381625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	100	16.4838	16.4838	0.000512597	false	0.0420973	0.000381625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	25	16.4838	16.4838	3.13991e-5	false	0.0519689	0.000381625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	50	16.4838	16.4838	3.20403e-5	false	0.0554702	0.000381625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	75	16.4838	16.4838	0.000118236	false	0.056647	0.000381625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	100	16.4838	16.4838	9.49855e-6	false	0.0539809	0.000381625
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	25	5.483	5.48128	0.149517	false	0.0502022	0.000384125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	50	5.48131	5.48128	0.049104	false	0.0862395	0.000384125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	75	5.48128	5.48128	0.0040744	false	0.0607313	0.000384125
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	100	5.48128	5.48128	0.00501786	false	0.0608781	0.000384125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	25	5.48132	5.48128	0.0212212	false	0.0342422	0.000384125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	50	5.48128	5.48128	0.00014865	false	0.0508109	0.000384125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	75	5.48128	5.48128	0.000420975	false	0.0481982	0.000384125
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	100	5.48128	5.48128	9.08971e-5	false	0.04962	0.000384125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	25	5.48141	5.48128	0.0385401	false	0.052359	0.000384125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	50	5.48128	5.48128	0.000224142	false	0.0731027	0.000384125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	75	5.48128	5.48128	3.86564e-6	false	0.0739885	0.000384125
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	100	5.48128	5.48128	9.78137e-6	false	0.0710433	0.000384125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	25	5.48136	5.48128	0.0289079	false	0.0664795	0.000384125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	50	5.48128	5.48128	2.86398e-5	false	0.0932467	0.000384125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	75	5.48128	5.48128	5.88614e-6	false	0.102966	0.000384125
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	100	5.48128	5.48128	8.762e-6	false	0.129602	0.000384125

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	25	1.0e-6	25	0.190437	1.03154e-13	0.190437	false	0.0543781	0.000407375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	50	0.0904418	1.03154e-13	0.0904418	false	0.075482	0.000407375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	75	0.069051	1.03154e-13	0.069051	false	0.0937049	0.000407375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	100	0.0227327	1.03154e-13	0.0227327	false	0.0679516	0.000407375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	25	0.158448	1.03154e-13	0.158448	false	0.0464963	0.000407375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	50	0.160815	1.03154e-13	0.160815	false	0.0665906	0.000407375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	75	0.0232202	1.03154e-13	0.0232202	false	0.0851398	0.000407375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	100	0.0108788	1.03154e-13	0.0108788	false	0.0975869	0.000407375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	25	0.191892	1.03154e-13	0.191892	false	0.0708022	0.000407375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	50	0.103686	1.03154e-13	0.103686	false	0.101883	0.000407375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	75	0.0138738	1.03154e-13	0.0138738	false	0.130244	0.000407375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	100	0.0136212	1.03154e-13	0.0136212	false	0.155339	0.000407375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	25	0.140131	1.03154e-13	0.140131	false	0.0943672	0.000407375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	50	0.0709917	1.03154e-13	0.0709917	false	0.133315	0.000407375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	75	0.00811056	1.03154e-13	0.00811056	false	0.172678	0.000407375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	100	0.0032923	1.03154e-13	0.0032923	false	0.188851	0.000407375
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	25	29.9305	29.9278	1.55721	false	0.0198101	0.000361292
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	50	29.9284	29.9278	0.731547	false	0.0199128	0.000361292
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	75	29.9283	29.9278	0.593733	false	0.0203127	0.000361292
4	50	50	80.5865	13	1.0e-6	25	1.0e-6	100	29.9284	29.9278	0.675775	false	0.0202711	0.000361292
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	25	29.9278	29.9278	0.0810325	false	0.0392123	0.000361292
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	50	29.9278	29.9278	0.091545	false	0.0437842	0.000361292
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	75	29.9278	29.9278	0.0217907	false	0.0410426	0.000361292
4	50	50	80.5865	13	1.0e-6	50	1.0e-6	100	29.9279	29.9278	0.245719	false	0.0347886	0.000361292
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	25	29.9278	29.9278	0.00126918	false	0.0189576	0.000361292
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	50	29.9278	29.9278	0.00177584	false	0.0194728	0.000361292
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	75	29.9278	29.9278	0.000882883	false	0.0198929	0.000361292
4	50	50	80.5865	13	1.0e-6	75	1.0e-6	100	29.9278	29.9278	0.000300484	false	0.0209715	0.000361292
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	25	29.9278	29.9278	3.48668e-5	false	0.02606	0.000361292
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	50	29.9278	29.9278	4.56555e-6	false	0.0258862	0.000361292
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	75	29.9278	29.9278	0.000225074	false	0.0259881	0.000361292
4	50	50	80.5865	13	1.0e-6	100	1.0e-6	100	29.9278	29.9278	0.000209114	false	0.0256403	0.000361292
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	25	16.4843	16.4838	0.501563	false	0.0349192	0.000355625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	50	16.4882	16.4838	1.50176	false	0.0324297	0.000355625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	75	16.485	16.4838	0.687706	false	0.0320117	0.000355625
4	50	50	80.5865	25	1.0e-6	25	1.0e-6	100	16.4861	16.4838	1.0398	false	0.0310566	0.000355625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	25	16.4838	16.4838	0.00188347	false	0.0615729	0.000355625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	50	16.4838	16.4838	0.0860921	false	0.0574268	0.000355625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	75	16.4838	16.4838	0.0817657	false	0.0272675	0.000355625
4	50	50	80.5865	25	1.0e-6	50	1.0e-6	100	16.4838	16.4838	0.0216924	false	0.0270777	0.000355625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	25	16.4838	16.4838	0.00110985	false	0.0392113	0.000355625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	50	16.4838	16.4838	0.00109911	false	0.0417905	0.000355625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	75	16.4838	16.4838	0.000371333	false	0.0396105	0.000355625
4	50	50	80.5865	25	1.0e-6	75	1.0e-6	100	16.4838	16.4838	0.00137313	false	0.0405927	0.000355625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	25	16.4838	16.4838	4.90591e-5	false	0.051649	0.000355625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	50	16.4838	16.4838	1.56472e-5	false	0.0538874	0.000355625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	75	16.4838	16.4838	3.97569e-5	false	0.0553205	0.000355625
4	50	50	80.5865	25	1.0e-6	100	1.0e-6	100	16.4838	16.4838	1.46848e-5	false	0.0556074	0.000355625
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	25	5.48246	5.48128	0.119083	false	0.0785058	0.000360541
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	50	5.48128	5.48128	0.00643212	false	0.0675672	0.000360541
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	75	5.48128	5.48128	0.00591205	false	0.0594117	0.000360541
4	50	50	80.5865	38	1.0e-6	25	1.0e-6	100	5.48128	5.48128	0.00226172	false	0.0596064	0.000360541
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	25	5.48132	5.48128	0.0215255	false	0.033671	0.000360541
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	50	5.48128	5.48128	0.000115258	false	0.0466585	0.000360541
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	75	5.48128	5.48128	2.59217e-5	false	0.047971	0.000360541
4	50	50	80.5865	38	1.0e-6	50	1.0e-6	100	5.48128	5.48128	4.15591e-5	false	0.0481834	0.000360541
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	25	5.48138	5.48128	0.0356307	false	0.0492603	0.000360541
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	50	5.48128	5.48128	0.000940562	false	0.0693398	0.000360541

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	38	1.0e-6	75	1.0e-6	75	5.48128	5.48128	6.77039e-6	false	0.0751247	0.000360541
4	50	50	80.5865	38	1.0e-6	75	1.0e-6	100	5.48128	5.48128	6.63449e-6	false	0.073196	0.000360541
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	25	5.48128	5.48128	0.000550615	false	0.065732	0.000360541
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	50	5.48128	5.48128	0.0016798	false	0.0975233	0.000360541
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	75	5.48128	5.48128	9.81408e-6	false	0.0977097	0.000360541
4	50	50	80.5865	38	1.0e-6	100	1.0e-6	100	5.48128	5.48128	7.83665e-6	false	0.0940861	0.000360541
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	25	0.221562	1.03154e-13	0.221562	false	0.0529011	0.000395375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	50	0.116424	1.03154e-13	0.116424	false	0.0741899	0.000395375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	75	0.0333214	1.03154e-13	0.0333214	false	0.0927716	0.000395375
4	50	50	80.5865	50	1.0e-6	25	1.0e-6	100	0.0209619	1.03154e-13	0.0209619	false	0.063971	0.000395375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	25	0.141577	1.03154e-13	0.141577	false	0.0465771	0.000395375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	50	0.084484	1.03154e-13	0.084484	false	0.065362	0.000395375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	75	0.0362595	1.03154e-13	0.0362595	false	0.0857989	0.000395375
4	50	50	80.5865	50	1.0e-6	50	1.0e-6	100	0.0149143	1.03154e-13	0.0149143	false	0.094554	0.000395375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	25	0.177915	1.03154e-13	0.177915	false	0.0687275	0.000395375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	50	0.0676718	1.03154e-13	0.0676718	false	0.0976778	0.000395375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	75	0.00728567	1.03154e-13	0.00728567	false	0.12501	0.000395375
4	50	50	80.5865	50	1.0e-6	75	1.0e-6	100	0.00898405	1.03154e-13	0.00898405	false	0.142142	0.000395375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	25	0.21651	1.03154e-13	0.21651	false	0.0906266	0.000395375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	50	0.0878725	1.03154e-13	0.0878725	false	0.130467	0.000395375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	75	0.00938956	1.03154e-13	0.00938956	false	0.169202	0.000395375
4	50	50	80.5865	50	1.0e-6	100	1.0e-6	100	0.00858838	1.03154e-13	0.00858838	false	0.184487	0.000395375