QR Size: 50x50, Condition Number: 45.178696235059

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	45.1787	13	1.0e-6	25	1.0e-6	25	30.0994	30.0587	6.33942	false	1.17784	0.55429
4	50	50	45.1787	13	1.0e-6	25	1.0e-6	50	30.072	30.0587	4.0112	false	0.0180724	0.55429
4	50	50	45.1787	13	1.0e-6	25	1.0e-6	75	30.0632	30.0587	2.34505	false	0.0460554	0.55429
4	50	50	45.1787	13	1.0e-6	25	1.0e-6	100	30.108	30.0587	7.0218	false	0.00694708	0.55429
4	50	50	45.1787	13	1.0e-6	50	1.0e-6	25	30.0587	30.0587	0.0804407	false	0.0122587	0.55429
4	50	50	45.1787	13	1.0e-6	50	1.0e-6	50	30.0588	30.0587	0.441276	false	0.0118559	0.55429
4	50	50	45.1787	13	1.0e-6	50	1.0e-6	75	30.0587	30.0587	0.0864504	false	0.0116606	0.55429
4	50	50	45.1787	13	1.0e-6	50	1.0e-6	100	30.0587	30.0587	0.222296	false	0.0121204	0.55429
4	50	50	45.1787	13	1.0e-6	75	1.0e-6	25	30.0587	30.0587	0.00871879	false	0.0194346	0.55429
4	50	50	45.1787	13	1.0e-6	75	1.0e-6	50	30.0587	30.0587	0.00608084	false	0.0205224	0.55429
4	50	50	45.1787	13	1.0e-6	75	1.0e-6	75	30.0587	30.0587	0.0223262	false	0.0182117	0.55429
4	50	50	45.1787	13	1.0e-6	75	1.0e-6	100	30.0587	30.0587	0.0027909	false	0.0198465	0.55429
4	50	50	45.1787	13	1.0e-6	100	1.0e-6	25	30.0587	30.0587	0.000655253	false	0.0243786	0.55429
4	50	50	45.1787	13	1.0e-6	100	1.0e-6	50	30.0587	30.0587	0.00179766	false	0.023445	0.55429
4	50	50	45.1787	13	1.0e-6	100	1.0e-6	75	30.0587	30.0587	0.0334582	false	0.0239308	0.55429
4	50	50	45.1787	13	1.0e-6	100	1.0e-6	100	30.0587	30.0587	0.000983886	false	0.0234702	0.55429
4	50	50	45.1787	25	1.0e-6	25	1.0e-6	25	16.2586	16.2585	0.182586	false	0.0358214	0.000392417
4	50	50	45.1787	25	1.0e-6	25	1.0e-6	50	16.2835	16.2585	3.38449	false	0.0263261	0.000392417
4	50	50	45.1787	25	1.0e-6	25	1.0e-6	75	16.2978	16.2585	5.07035	false	0.0251338	0.000392417
4	50	50	45.1787	25	1.0e-6	25	1.0e-6	100	16.2589	16.2585	0.49618	false	0.0250271	0.000392417
4	50	50	45.1787	25	1.0e-6	50	1.0e-6	25	16.2585	16.2585	0.0170832	false	0.050451	0.000392417
4	50	50	45.1787	25	1.0e-6	50	1.0e-6	50	16.2586	16.2585	0.150813	false	0.0507583	0.000392417
4	50	50	45.1787	25	1.0e-6	50	1.0e-6	75	16.2585	16.2585	0.0559364	false	0.0528027	0.000392417
4	50	50	45.1787	25	1.0e-6	50	1.0e-6	100	16.2586	16.2585	0.120075	false	0.019546	0.000392417
4	50	50	45.1787	25	1.0e-6	75	1.0e-6	25	16.2585	16.2585	0.00442875	false	0.0277834	0.000392417
4	50	50	45.1787	25	1.0e-6	75	1.0e-6	50	16.2585	16.2585	0.00028708	false	0.0272953	0.000392417
4	50	50	45.1787	25	1.0e-6	75	1.0e-6	75	16.2586	16.2585	0.0736902	false	0.0320064	0.000392417
4	50	50	45.1787	25	1.0e-6	75	1.0e-6	100	16.2585	16.2585	0.0113027	false	0.0278283	0.000392417
4	50	50	45.1787	25	1.0e-6	100	1.0e-6	25	16.2585	16.2585	0.00280659	false	0.0352915	0.000392417
4	50	50	45.1787	25	1.0e-6	100	1.0e-6	50	16.2585	16.2585	0.00206128	false	0.0352725	0.000392417
4	50	50	45.1787	25	1.0e-6	100	1.0e-6	75	16.2585	16.2585	0.0068876	false	0.0349992	0.000392417
4	50	50	45.1787	25	1.0e-6	100	1.0e-6	100	16.2585	16.2585	0.00266271	false	0.0350449	0.000392417
4	50	50	45.1787	38	1.0e-6	25	1.0e-6	25	5.24859	5.24858	0.0446247	false	0.0316093	0.000345375
4	50	50	45.1787	38	1.0e-6	25	1.0e-6	50	5.24859	5.24858	0.035173	false	0.0330374	0.000345375
4	50	50	45.1787	38	1.0e-6	25	1.0e-6	75	5.25167	5.24858	0.641182	false	0.0321797	0.000345375
4	50	50	45.1787	38	1.0e-6	25	1.0e-6	100	5.24886	5.24858	0.192551	false	0.0334146	0.000345375
4	50	50	45.1787	38	1.0e-6	50	1.0e-6	25	5.24858	5.24858	0.00068824	false	0.0655731	0.000345375
4	50	50	45.1787	38	1.0e-6	50	1.0e-6	50	5.24858	5.24858	0.000643376	false	0.0635031	0.000345375
4	50	50	45.1787	38	1.0e-6	50	1.0e-6	75	5.24858	5.24858	0.00148159	false	0.0668825	0.000345375
4	50	50	45.1787	38	1.0e-6	50	1.0e-6	100	5.24858	5.24858	8.82044e-5	false	0.0661988	0.000345375
4	50	50	45.1787	38	1.0e-6	75	1.0e-6	25	5.24858	5.24858	1.69843e-5	false	0.0983277	0.000345375
4	50	50	45.1787	38	1.0e-6	75	1.0e-6	50	5.24858	5.24858	0.000100116	false	0.0994898	0.000345375
4	50	50	45.1787	38	1.0e-6	75	1.0e-6	75	5.24858	5.24858	4.80989e-6	false	0.100421	0.000345375
4	50	50	45.1787	38	1.0e-6	75	1.0e-6	100	5.24858	5.24858	8.16484e-5	false	0.098223	0.000345375
4	50	50	45.1787	38	1.0e-6	100	1.0e-6	25	5.24858	5.24858	3.35327e-6	false	0.131372	0.000345375
4	50	50	45.1787	38	1.0e-6	100	1.0e-6	50	5.24858	5.24858	5.15681e-7	false	0.127895	0.000345375
4	50	50	45.1787	38	1.0e-6	100	1.0e-6	75	5.24858	5.24858	1.32928e-8	false	0.129433	0.000345375
4	50	50	45.1787	38	1.0e-6	100	1.0e-6	100	5.24858	5.24858	1.33983e-7	false	0.136762	0.000345375
4	50	50	45.1787	50	1.0e-6	25	1.0e-6	25	0.0	9.26682e-14	1.03096e-13	true	0.0164665	0.000337375
4	50	50	45.1787	50	1.0e-6	25	1.0e-6	50	0.0	9.26682e-14	1.0724e-13	true	0.00207408	0.000337375
4	50	50	45.1787	50	1.0e-6	25	1.0e-6	75	0.0	9.26682e-14	1.07538e-13	true	0.00974112	0.000337375
4	50	50	45.1787	50	1.0e-6	25	1.0e-6	100	0.0	9.26682e-14	1.06626e-13	true	0.00196933	0.000337375
4	50	50	45.1787	50	1.0e-6	50	1.0e-6	25	0.0	9.26682e-14	1.04676e-13	true	0.00166442	0.000337375
4	50	50	45.1787	50	1.0e-6	50	1.0e-6	50	0.0	9.26682e-14	1.06796e-13	true	0.00215671	0.000337375

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	45.1787	50	1.0e-6	50	1.0e-6	75	0.0	9.26682e-14	1.10247e-13	true	0.00308208	0.000337375
4	50	50	45.1787	50	1.0e-6	50	1.0e-6	100	0.0	9.26682e-14	1.05977e-13	true	0.00445383	0.000337375
4	50	50	45.1787	50	1.0e-6	75	1.0e-6	25	0.0	9.26682e-14	1.05103e-13	true	0.00307154	0.000337375
4	50	50	45.1787	50	1.0e-6	75	1.0e-6	50	0.0	9.26682e-14	1.09055e-13	true	0.00183192	0.000337375
4	50	50	45.1787	50	1.0e-6	75	1.0e-6	75	0.0	9.26682e-14	1.09617e-13	true	0.00231867	0.000337375
4	50	50	45.1787	50	1.0e-6	75	1.0e-6	100	0.0	9.26682e-14	1.0778e-13	true	0.00234	0.000337375
4	50	50	45.1787	50	1.0e-6	100	1.0e-6	25	0.0	9.26682e-14	1.07037e-13	true	0.00193496	0.000337375
4	50	50	45.1787	50	1.0e-6	100	1.0e-6	50	0.0	9.26682e-14	1.07336e-13	true	0.00442688	0.000337375
4	50	50	45.1787	50	1.0e-6	100	1.0e-6	75	0.0	9.26682e-14	1.055e-13	true	0.00324846	0.000337375
4	50	50	45.1787	50	1.0e-6	100	1.0e-6	100	0.0	9.26682e-14	1.08946e-13	true	0.00192683	0.000337375