QR Size: 100x100, Condition Number: 153.80288538037635

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
8	100	100	153.803	25	1.0e-6	25	1.0e-6	25	60.7675	60.6483	17.3945	false	1.79673	0.573331
8	100	100	153.803	25	1.0e-6	25	1.0e-6	50	60.6641	60.6483	8.17191	false	0.0459657	0.573331
8	100	100	153.803	25	1.0e-6	25	1.0e-6	75	60.698	60.6483	9.81046	false	0.0477258	0.573331
8	100	100	153.803	25	1.0e-6	25	1.0e-6	100	60.6647	60.6483	15.6915	false	0.0418311	0.573331
8	100	100	153.803	25	1.0e-6	50	1.0e-6	25	60.6608	60.6483	14.2216	false	0.0790904	0.573331
8	100	100	153.803	25	1.0e-6	50	1.0e-6	50	60.6628	60.6483	15.7171	false	0.0790526	0.573331
8	100	100	153.803	25	1.0e-6	50	1.0e-6	75	60.6542	60.6483	5.69807	false	0.0788842	0.573331
8	100	100	153.803	25	1.0e-6	50	1.0e-6	100	60.6516	60.6483	5.96122	false	0.0834139	0.573331
8	100	100	153.803	25	1.0e-6	75	1.0e-6	25	60.6587	60.6483	13.9163	false	0.122391	0.573331
8	100	100	153.803	25	1.0e-6	75	1.0e-6	50	60.6636	60.6483	16.8875	false	0.119415	0.573331
8	100	100	153.803	25	1.0e-6	75	1.0e-6	75	60.649	60.6483	3.6033	false	0.123898	0.573331
8	100	100	153.803	25	1.0e-6	75	1.0e-6	100	60.6491	60.6483	3.81208	false	0.123048	0.573331
8	100	100	153.803	25	1.0e-6	100	1.0e-6	25	60.6499	60.6483	5.42044	false	0.169788	0.573331
8	100	100	153.803	25	1.0e-6	100	1.0e-6	50	60.6483	60.6483	0.357404	false	0.160683	0.573331
8	100	100	153.803	25	1.0e-6	100	1.0e-6	75	60.6484	60.6483	0.747905	false	0.161445	0.573331
8	100	100	153.803	25	1.0e-6	100	1.0e-6	100	60.6632	60.6483	16.6846	false	0.16694	0.573331
8	100	100	153.803	50	1.0e-6	25	1.0e-6	25	32.1022	32.0112	10.9167	false	0.14645	0.00123783
8	100	100	153.803	50	1.0e-6	25	1.0e-6	50	32.0141	32.0112	1.85914	false	0.123139	0.00123783
8	100	100	153.803	50	1.0e-6	25	1.0e-6	75	32.0358	32.0112	6.41486	false	0.139723	0.00123783
8	100	100	153.803	50	1.0e-6	25	1.0e-6	100	32.0163	32.0112	2.48914	false	0.171169	0.00123783
8	100	100	153.803	50	1.0e-6	50	1.0e-6	25	32.0199	32.0112	3.47912	false	0.297014	0.00123783
8	100	100	153.803	50	1.0e-6	50	1.0e-6	50	32.0112	32.0112	0.228996	false	0.316742	0.00123783
8	100	100	153.803	50	1.0e-6	50	1.0e-6	75	32.0162	32.0112	3.04378	false	0.312012	0.00123783
8	100	100	153.803	50	1.0e-6	50	1.0e-6	100	32.0114	32.0112	0.569794	false	0.289602	0.00123783
8	100	100	153.803	50	1.0e-6	75	1.0e-6	25	32.0112	32.0112	0.0383956	false	0.42422	0.00123783
8	100	100	153.803	50	1.0e-6	75	1.0e-6	50	32.0112	32.0112	0.0659169	false	0.430228	0.00123783
8	100	100	153.803	50	1.0e-6	75	1.0e-6	75	32.0112	32.0112	0.039773	false	0.4232	0.00123783
8	100	100	153.803	50	1.0e-6	75	1.0e-6	100	32.0112	32.0112	0.149694	false	0.441111	0.00123783
8	100	100	153.803	50	1.0e-6	100	1.0e-6	25	32.0112	32.0112	0.00911146	false	0.586944	0.00123783
8	100	100	153.803	50	1.0e-6	100	1.0e-6	50	32.0112	32.0112	0.009794	false	0.679924	0.00123783
8	100	100	153.803	50	1.0e-6	100	1.0e-6	75	32.0112	32.0112	0.189999	false	0.605552	0.00123783
8	100	100	153.803	50	1.0e-6	100	1.0e-6	100	32.0112	32.0112	0.00560879	false	0.578024	0.00123783
8	100	100	153.803	75	1.0e-6	25	1.0e-6	25	10.95	10.9356	2.73549	false	0.585744	0.00120804
8	100	100	153.803	75	1.0e-6	25	1.0e-6	50	10.941	10.9356	2.14757	false	0.640222	0.00120804
8	100	100	153.803	75	1.0e-6	25	1.0e-6	75	10.936	10.9356	0.522566	false	0.656222	0.00120804
8	100	100	153.803	75	1.0e-6	25	1.0e-6	100	10.938	10.9356	1.2538	false	0.518348	0.00120804
8	100	100	153.803	75	1.0e-6	50	1.0e-6	25	10.9357	10.9356	0.258947	false	1.24264	0.00120804
8	100	100	153.803	75	1.0e-6	50	1.0e-6	50	10.9707	10.9356	5.56644	false	1.23963	0.00120804
8	100	100	153.803	75	1.0e-6	50	1.0e-6	75	10.9385	10.9356	1.60658	false	1.15706	0.00120804
8	100	100	153.803	75	1.0e-6	50	1.0e-6	100	10.9451	10.9356	2.8923	false	1.12075	0.00120804
8	100	100	153.803	75	1.0e-6	75	1.0e-6	25	10.9356	10.9356	0.0825248	false	1.76564	0.00120804
8	100	100	153.803	75	1.0e-6	75	1.0e-6	50	10.9357	10.9356	0.223848	false	1.74247	0.00120804
8	100	100	153.803	75	1.0e-6	75	1.0e-6	75	10.9356	10.9356	0.013276	false	1.84665	0.00120804
8	100	100	153.803	75	1.0e-6	75	1.0e-6	100	10.9357	10.9356	0.180558	false	1.98095	0.00120804
8	100	100	153.803	75	1.0e-6	100	1.0e-6	25	10.9356	10.9356	0.0282933	false	2.2517	0.00120804
8	100	100	153.803	75	1.0e-6	100	1.0e-6	50	10.9357	10.9356	0.259834	false	2.592	0.00120804
8	100	100	153.803	75	1.0e-6	100	1.0e-6	75	10.9356	10.9356	0.0559281	false	2.37717	0.00120804
8	100	100	153.803	75	1.0e-6	100	1.0e-6	100	10.9356	10.9356	0.0107418	false	2.31826	0.00120804
8	100	100	153.803	100	1.0e-6	25	1.0e-6	25	0.0	2.72534e-13	2.96581e-13	true	0.0332082	0.00118446
8	100	100	153.803	100	1.0e-6	25	1.0e-6	50	0.0	2.72534e-13	3.00635e-13	true	0.028491	0.00118446
8	100	100	153.803	100	1.0e-6	25	1.0e-6	75	0.0	2.72534e-13	2.99718e-13	true	0.027883	0.00118446
8	100	100	153.803	100	1.0e-6	25	1.0e-6	100	0.0	2.72534e-13	3.07541e-13	true	0.0244993	0.00118446
8	100	100	153.803	100	1.0e-6	50	1.0e-6	25	0.0	2.72534e-13	2.98643e-13	true	0.0286621	0.00118446
8	100	100	153.803	100	1.0e-6	50	1.0e-6	50	0.0	2.72534e-13	3.01165e-13	true	0.05935	0.00118446

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
8	100	100	153.803	100	1.0e-6	50	1.0e-6	75	0.0	2.72534e-13	3.00369e-13	true	0.0291588	0.00118446
8	100	100	153.803	100	1.0e-6	50	1.0e-6	100	0.0	2.72534e-13	3.00236e-13	true	0.0252473	0.00118446
8	100	100	153.803	100	1.0e-6	75	1.0e-6	25	0.0	2.72534e-13	3.00088e-13	true	0.0292582	0.00118446
8	100	100	153.803	100	1.0e-6	75	1.0e-6	50	0.0	2.72534e-13	3.0229e-13	true	0.0259983	0.00118446
8	100	100	153.803	100	1.0e-6	75	1.0e-6	75	0.0	2.72534e-13	2.98215e-13	true	0.0294532	0.00118446
8	100	100	153.803	100	1.0e-6	75	1.0e-6	100	0.0	2.72534e-13	2.97891e-13	true	0.035109	0.00118446
8	100	100	153.803	100	1.0e-6	100	1.0e-6	25	0.0	2.72534e-13	2.99661e-13	true	0.0489327	0.00118446
8	100	100	153.803	100	1.0e-6	100	1.0e-6	50	0.0	2.72534e-13	3.03776e-13	true	0.027014	0.00118446
8	100	100	153.803	100	1.0e-6	100	1.0e-6	75	0.0	2.72534e-13	3.01388e-13	true	0.029522	0.00118446
8	100	100	153.803	100	1.0e-6	100	1.0e-6	100	0.0	2.72534e-13	2.98234e-13	true	0.0358272	0.00118446