

Size: 10x10, Condition Number: 26.256875288968704

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	10	10	26.2569	3	1.0e-6	25	1.0e-6	25	5.08418	5.08418	0.0133253	false	0.00127121	4.3667e-5
4	10	10	26.2569	3	1.0e-6	25	1.0e-6	50	5.08418	5.08418	0.0225678	false	0.00116467	2.8208e-5
4	10	10	26.2569	3	1.0e-6	25	1.0e-6	75	5.08419	5.08418	0.0240964	false	0.00125662	2.7917e-5
4	10	10	26.2569	3	1.0e-6	25	1.0e-6	100	5.08418	5.08418	0.017002	false	0.00106912	3.3334e-5
4	10	10	26.2569	3	1.0e-6	50	1.0e-6	25	5.08418	5.08418	4.55278e-5	false	0.00202913	2.2542e-5
4	10	10	26.2569	3	1.0e-6	50	1.0e-6	50	5.08418	5.08418	0.000218908	false	0.00184225	2.125e-5
4	10	10	26.2569	3	1.0e-6	50	1.0e-6	75	5.08418	5.08418	1.65405e-5	false	0.00185346	2.4083e-5
4	10	10	26.2569	3	1.0e-6	50	1.0e-6	100	5.08418	5.08418	2.26861e-5	false	0.00457987	2.9583e-5
4	10	10	26.2569	3	1.0e-6	75	1.0e-6	25	5.08418	5.08418	1.25795e-8	false	0.00274879	2.1292e-5
4	10	10	26.2569	3	1.0e-6	75	1.0e-6	50	5.08418	5.08418	3.02902e-7	false	0.00240504	1.775e-5
4	10	10	26.2569	3	1.0e-6	75	1.0e-6	75	5.08418	5.08418	3.17358e-7	false	0.00241329	1.825e-5
4	10	10	26.2569	3	1.0e-6	75	1.0e-6	100	5.08418	5.08418	4.8156e-7	false	0.00378617	2.5458e-5
4	10	10	26.2569	3	1.0e-6	100	1.0e-6	25	5.08418	5.08418	1.73754e-10	false	0.00338992	1.9291e-5
4	10	10	26.2569	3	1.0e-6	100	1.0e-6	50	5.08418	5.08418	1.88127e-10	false	0.00313308	1.6875e-5
4	10	10	26.2569	3	1.0e-6	100	1.0e-6	75	5.08418	5.08418	5.98506e-10	false	0.00419971	3.2083e-5
4	10	10	26.2569	3	1.0e-6	100	1.0e-6	100	5.08418	5.08418	8.60741e-11	false	0.00324254	1.9583e-5
4	10	10	26.2569	5	1.0e-6	25	1.0e-6	25	3.0703	3.06986	0.216082	false	0.000859667	1.8417e-5
4	10	10	26.2569	5	1.0e-6	25	1.0e-6	50	3.07001	3.06986	0.126489	false	0.000813792	2.2292e-5
4	10	10	26.2569	5	1.0e-6	25	1.0e-6	75	3.07044	3.06986	0.25029	false	0.000858166	1.7625e-5
4	10	10	26.2569	5	1.0e-6	25	1.0e-6	100	3.07091	3.06986	0.335793	false	0.000902791	1.725e-5
4	10	10	26.2569	5	1.0e-6	50	1.0e-6	25	3.06986	3.06986	0.00890046	false	0.00170312	2.2333e-5
4	10	10	26.2569	5	1.0e-6	50	1.0e-6	50	3.06986	3.06986	0.0139172	false	0.00172796	1.9709e-5
4	10	10	26.2569	5	1.0e-6	50	1.0e-6	75	3.06986	3.06986	0.000288401	false	0.00300079	2.6708e-5
4	10	10	26.2569	5	1.0e-6	50	1.0e-6	100	3.06986	3.06986	0.0077766	false	0.00301054	2.2167e-5
4	10	10	26.2569	5	1.0e-6	75	1.0e-6	25	3.06986	3.06986	0.000144931	false	0.003323	2.4708e-5
4	10	10	26.2569	5	1.0e-6	75	1.0e-6	50	3.06986	3.06986	0.000187977	false	0.00264333	1.8208e-5
4	10	10	26.2569	5	1.0e-6	75	1.0e-6	75	3.06986	3.06986	0.000786981	false	0.00359192	2.2709e-5
4	10	10	26.2569	5	1.0e-6	75	1.0e-6	100	3.06986	3.06986	0.000517122	false	0.002545	1.7334e-5
4	10	10	26.2569	5	1.0e-6	100	1.0e-6	25	3.06986	3.06986	1.21669e-5	false	0.00425717	2.4916e-5
4	10	10	26.2569	5	1.0e-6	100	1.0e-6	50	3.06986	3.06986	1.21696e-5	false	0.00329846	1.75e-5
4	10	10	26.2569	5	1.0e-6	100	1.0e-6	75	3.06986	3.06986	9.07111e-6	false	0.00343004	2.75e-5
4	10	10	26.2569	5	1.0e-6	100	1.0e-6	100	3.06986	3.06986	6.87573e-5	false	0.00330238	2.425e-5
4	10	10	26.2569	8	1.0e-6	25	1.0e-6	25	0.595718	0.595718	2.25952e-7	false	0.00102125	2.7959e-5
4	10	10	26.2569	8	1.0e-6	25	1.0e-6	50	0.595718	0.595718	8.80876e-8	false	0.00106313	1.6625e-5
4	10	10	26.2569	8	1.0e-6	25	1.0e-6	75	0.595718	0.595718	6.24304e-8	false	0.000948584	1.9375e-5
4	10	10	26.2569	8	1.0e-6	25	1.0e-6	100	0.595718	0.595718	1.41637e-8	false	0.000982166	2.2792e-5
4	10	10	26.2569	8	1.0e-6	50	1.0e-6	25	0.595718	0.595718	2.31383e-7	false	0.00207804	1.8083e-5
4	10	10	26.2569	8	1.0e-6	50	1.0e-6	50	0.595718	0.595718	4.93716e-9	false	0.00279017	2.4875e-5
4	10	10	26.2569	8	1.0e-6	50	1.0e-6	75	0.595718	0.595718	3.36522e-8	false	0.00186637	1.7792e-5
4	10	10	26.2569	8	1.0e-6	50	1.0e-6	100	0.595718	0.595718	6.86643e-9	false	0.00194142	2.1333e-5
4	10	10	26.2569	8	1.0e-6	75	1.0e-6	25	0.595718	0.595718	5.12557e-8	false	0.00297888	1.9708e-5
4	10	10	26.2569	8	1.0e-6	75	1.0e-6	50	0.595718	0.595718	4.8651e-8	false	0.003242	2.5708e-5
4	10	10	26.2569	8	1.0e-6	75	1.0e-6	75	0.595718	0.595718	3.27927e-8	false	0.00293708	2.2166e-5
4	10	10	26.2569	8	1.0e-6	75	1.0e-6	100	0.595718	0.595718	2.54107e-7	false	0.00304033	2.8042e-5
4	10	10	26.2569	8	1.0e-6	100	1.0e-6	25	0.595718	0.595718	1.41119e-8	false	0.003886	2.0292e-5
4	10	10	26.2569	8	1.0e-6	100	1.0e-6	50	0.595718	0.595718	1.76144e-9	false	0.00370696	3.0541e-5
4	10	10	26.2569	8	1.0e-6	100	1.0e-6	75	0.595718	0.595718	6.98478e-8	false	0.00491133	2.6792e-5
4	10	10	26.2569	8	1.0e-6	100	1.0e-6	100	0.595718	0.595718	1.03876e-7	false	0.00400333	2.9834e-5
4	10	10	26.2569	10	1.0e-6	25	1.0e-6	25	0.0	9.90892e-15	7.60331e-8	true	0.00915146	2.85e-5
4	10	10	26.2569	10	1.0e-6	25	1.0e-6	50	0.0	9.90892e-15	8.73877e-9	true	0.000226041	2.275e-5
4	10	10	26.2569	10	1.0e-6	25	1.0e-6	75	0.0	9.90892e-15	1.62779e-8	true	0.000296583	3.2166e-5
4	10	10	26.2569	10	1.0e-6	25	1.0e-6	100	0.0	9.90892e-15	2.86684e-7	true	0.000246583	2.3e-5
4	10	10	26.2569	10	1.0e-6	50	1.0e-6	25	0.0	9.90892e-15	2.44625e-8	true	0.00805738	5.2042e-5
4	10	10	26.2569	10	1.0e-6	50	1.0e-6	50	0.0	9.90892e-15	5.2764e-7	true	0.000670291	3.5083e-5

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	10	10	26.2569	10	1.0e-6	50	1.0e-6	75	0.0	9.90892e-15	3.54844e-7	true	0.000289375	3.9125e-5
4	10	10	26.2569	10	1.0e-6	50	1.0e-6	100	0.0	9.90892e-15	1.12282e-7	true	0.00374629	4.175e-5
4	10	10	26.2569	10	1.0e-6	75	1.0e-6	25	0.0	9.90892e-15	3.28858e-10	true	0.000262875	4.5625e-5
4	10	10	26.2569	10	1.0e-6	75	1.0e-6	50	0.0	9.90892e-15	2.38707e-7	true	0.0002355	3.0667e-5
4	10	10	26.2569	10	1.0e-6	75	1.0e-6	75	0.0	9.90892e-15	3.63345e-8	true	0.000231709	2.5e-5
4	10	10	26.2569	10	1.0e-6	75	1.0e-6	100	0.0	9.90892e-15	3.50558e-8	true	0.000218	1.9458e-5
4	10	10	26.2569	10	1.0e-6	100	1.0e-6	25	0.0	9.90892e-15	3.59122e-7	true	0.000219416	1.8916e-5
4	10	10	26.2569	10	1.0e-6	100	1.0e-6	50	0.0	9.90892e-15	2.27465e-7	true	0.000201375	1.9792e-5
4	10	10	26.2569	10	1.0e-6	100	1.0e-6	75	0.0	9.90892e-15	2.79639e-7	true	0.000340792	0.000222875
4	10	10	26.2569	10	1.0e-6	100	1.0e-6	100	0.0	9.90892e-15	6.05425e-8	true	0.000234084	2.4e-5