

Sequence: pen01

Groundtruth fundamental matrix
pixel reprojection error

Image	min	mean	max	std
pen0	0.0	1.7	22.3	2.4
pen1	0.0	1.7	21.9	2.3

Input matches: 863



pen0



pen1

Rank	Algorithm				ς_1 (%)				ς_2 (%)				Inliers(%)				Iterations(max 5000)				Avg. time(s)
	method	error	th(px)		min	mean	max	std	min	mean	max	std	min	mean	max	std	min	mean	max	std	
1.	NOMLESAC	GEOM. EPIPOLAR	0.57		1.84	5.21	9.92	2.33	2.14	5.33	10.50	2.42	32.68	37.17	39.63	1.75	3189	4370	5000	643	21.15
2.	MLESAC	GEOM. EPIPOLAR	2.12		0.74	5.35	10.07	2.52	0.96	5.45	10.77	2.61	30.71	37.28	40.44	2.31	2878	4251	5000	715	19.99
3.	RANSAC	SYM. EPIPOLAR	3.00		0.77	5.45	10.49	2.70	0.99	5.59	11.59	2.81	33.02	36.94	39.98	1.73	3286	4490	5000	564	20.60
4.	NOMLESAC	GEOM. EPIPOLAR	0.99		2.59	5.60	12.64	2.99	2.82	5.61	13.03	3.07	43.11	46.78	49.94	1.65	592	1028	1664	261	5.25
5.	RANSAC	GEOM. EPIPOLAR	4.95		0.97	5.50	10.39	2.42	1.17	5.63	11.52	2.46	35.11	38.82	41.48	1.60	2450	3662	5000	829	16.86
6.	MLESAC	GEOM. EPIPOLAR	3.54		2.31	5.64	13.00	2.77	2.61	5.57	12.80	2.72	43.34	46.86	48.78	1.40	787	1053	1602	228	5.22
7.	NOMLESAC	GEOM. EPIPOLAR	0.85		2.39	5.64	12.51	2.72	2.45	5.57	12.31	2.69	39.86	44.41	46.58	1.63	966	1427	2878	425	7.14
8.	NOMLESAC	MAX EPIPOLAR	0.80		2.39	5.69	12.61	2.69	2.62	5.66	12.41	2.65	41.83	45.47	47.86	1.40	799	1227	2053	289	6.29
9.	NORANSAC	SYM. EPIPOLAR	0.20		1.78	5.46	10.84	2.65	2.15	5.70	11.16	2.72	33.02	36.07	38.59	1.65	3933	4766	5000	342	22.65
10.	NORANSAC	GEOM. EPIPOLAR	0.85		2.20	5.73	15.90	3.60	2.73	5.72	16.84	3.62	42.53	46.10	48.67	1.50	710	1129	1829	250	5.67
11.	RANSAC	SAMPSON	2.50		1.53	5.67	10.28	2.42	1.76	5.73	10.19	2.37	35.11	38.98	41.02	1.54	2355	3498	5000	820	16.00
12.	NORANSAC	GEOM. EPIPOLAR	0.28		1.78	5.54	10.84	2.68	2.15	5.74	11.16	2.73	32.56	35.93	38.59	1.68	4018	4804	5000	297	22.81
13.	MSAC	SYM. EPIPOLAR	3.50		0.97	5.64	10.39	2.53	1.17	5.74	11.52	2.56	35.11	38.75	40.79	1.53	2450	3612	5000	805	16.58
14.	RANSAC	GEOM. EPIPOLAR	4.24		0.76	5.59	10.83	2.72	0.99	5.76	11.59	2.85	33.02	36.86	39.98	1.74	3324	4516	5000	552	20.78
15.	NOMLESAC	GEOM. EPIPOLAR	0.42		1.15	5.59	10.55	2.75	1.36	5.79	11.68	2.89	24.22	29.31	32.91	2.51	5000	5000	5000	0	24.20
16.	RANSAC	SYM. EPIPOLAR	3.50		0.97	5.74	10.39	2.53	1.17	5.85	11.52	2.57	35.11	38.75	40.79	1.53	2450	3610	5000	807	16.60
17.	NOMLESAC	MAX EPIPOLAR	0.60		2.11	5.72	10.12	2.36	2.47	5.85	10.61	2.46	38.12	40.58	42.87	1.31	1728	2894	4964	836	14.03

Rank	Algorithm			ς_1 (%)				ς_2 (%)				Inliers(%)				Iterations(max 5000)				Avg.
	method	error	th(px)	min	mean	max	std	min	mean	max	std	min	mean	max	std	min	mean	max	std	time(s)
18.	NOMLESAC	MAX EPIPOLAR	0.70	2.42	5.81	12.69	2.47	2.79	5.86	12.50	2.53	40.79	43.14	45.19	1.25	1195	1771	2909	432	8.80
19.	NORANSAC	SYM. EPIPOLAR	0.60	2.24	5.79	16.82	3.94	2.75	5.87	17.12	4.06	42.76	46.18	49.02	1.63	676	1108	1761	247	5.57
20.	NOMLESAC	SYM. EPIPOLAR	0.40	0.86	5.66	10.58	2.85	1.12	5.88	11.59	2.98	26.30	32.71	35.46	2.31	5000	5000	5000	0	24.23
21.	MLESAC	SAMPSON	1.50	0.77	5.74	10.49	2.74	0.99	5.89	11.58	2.86	31.87	37.63	40.56	1.91	2820	4147	5000	723	19.47
22.	MLESAC	GEOM. EPIPOLAR	1.41	0.89	5.68	11.16	2.92	1.37	5.89	11.84	3.02	19.00	25.18	29.55	2.63	5000	5000	5000	0	24.16
23.	NOMLESAC	SYM. EPIPOLAR	0.70	2.27	5.81	12.38	2.41	2.77	5.89	12.17	2.48	42.06	44.53	46.47	1.28	983	1434	2909	399	7.19
24.	RANSAC	MAX EPIPOLAR	3.50	0.89	5.72	10.82	2.72	1.11	5.91	11.48	2.82	33.72	37.81	41.14	1.90	2550	4103	5000	853	18.78
25.	NORANSAC	MAX EPIPOLAR	0.70	2.40	5.90	15.85	3.47	2.70	5.93	16.83	3.55	43.57	46.40	48.90	1.23	687	1094	1595	231	5.50
26.	MLESAC	MAX EPIPOLAR	2.50	2.29	5.86	13.25	2.62	2.62	5.93	12.92	2.72	40.67	43.09	45.65	1.37	1112	1788	2909	436	8.61
27.	MLESAC	GEOM. EPIPOLAR	2.83	2.07	5.82	13.46	2.77	2.55	5.94	13.23	2.81	39.17	42.88	45.08	1.52	1216	1878	3256	532	8.94
28.	NORANSAC	MAX EPIPOLAR	0.30	2.04	5.79	10.58	2.50	2.40	5.94	10.72	2.52	36.04	39.20	41.71	1.52	2264	3576	5000	845	17.01
29.	MLESAC	MAX EPIPOLAR	3.00	2.33	5.92	13.02	2.84	2.66	5.94	12.75	2.88	43.45	46.26	48.32	1.43	827	1097	1573	224	5.49
30.	NOMLESAC	MAX EPIPOLAR	0.50	0.97	5.76	10.82	2.90	1.04	5.95	11.42	3.00	32.79	36.97	39.17	1.79	3256	4416	5000	627	21.36
31.	NOMLESAC	SYM. EPIPOLAR	0.50	2.01	5.83	10.92	2.61	2.40	5.96	11.40	2.68	34.30	38.57	41.02	1.57	2550	3794	5000	803	18.33
32.	MSAC	SYM. EPIPOLAR	3.00	0.77	5.79	10.88	3.00	0.99	5.96	11.59	3.08	33.02	36.89	39.98	1.74	3286	4516	5000	567	20.73
33.	NORANSAC	MAX EPIPOLAR	1.00	2.69	5.97	14.87	3.50	2.76	5.94	14.23	3.47	45.54	48.36	50.52	1.25	568	792	1132	145	4.10
34.	NOMLESAC	SYM. EPIPOLAR	0.30	0.91	5.79	10.89	2.87	1.23	5.99	11.77	2.94	19.00	25.08	29.20	2.27	5000	5000	5000	0	24.26
35.	MSAC	GEOM. EPIPOLAR	4.95	0.97	5.87	11.17	2.71	1.17	6.00	11.52	2.72	35.11	38.79	41.48	1.63	2450	3692	5000	862	16.87
36.	MSAC	GEOM. EPIPOLAR	4.24	0.76	5.83	10.88	3.01	0.99	6.02	11.59	3.09	33.02	36.83	39.98	1.75	3324	4525	5000	547	20.78
37.	RANSAC	SAMPSON	2.00	0.75	5.87	10.89	3.01	1.04	6.04	11.63	3.10	32.44	36.18	39.28	1.68	3614	4780	5000	338	21.89
38.	MLESAC	SYM. EPIPOLAR	2.50	2.30	5.95	13.36	2.55	2.70	6.05	13.04	2.60	41.48	44.02	46.35	1.29	1000	1585	2909	416	7.68
39.	NORANSAC	MAX EPIPOLAR	0.60	2.36	6.01	16.86	3.77	2.60	6.05	17.24	3.85	41.95	45.08	47.16	1.25	886	1276	2014	261	6.37
40.	RANSAC	MAX EPIPOLAR	3.00	0.77	5.75	10.88	2.88	1.04	6.06	11.58	2.99	30.48	35.73	39.51	2.05	3851	4781	5000	356	21.96
41.	NOMLESAC	SYM. EPIPOLAR	0.80	2.56	6.03	12.57	3.11	2.83	6.07	12.99	3.23	43.11	46.49	49.36	1.54	643	1058	1664	239	5.45
42.	MSAC	MAX EPIPOLAR	3.00	0.77	5.76	10.88	2.96	1.04	6.10	11.58	3.05	30.48	35.70	39.51	2.08	3851	4781	5000	356	21.96
43.	NOMLESAC	SYM. EPIPOLAR	0.90	1.77	6.03	13.88	3.50	1.70	6.11	13.70	3.53	45.19	47.95	50.29	1.33	568	837	1195	147	4.39
44.	MSAC	MAX EPIPOLAR	3.50	0.89	5.85	10.82	2.86	1.11	6.12	11.48	3.02	33.72	37.77	41.14	1.92	2550	4118	5000	857	18.82
45.	NORANSAC	SYM. EPIPOLAR	0.80	2.53	6.05	13.79	3.50	2.80	6.15	13.65	3.55	44.73	47.93	50.29	1.45	568	843	1284	168	4.36
46.	MLESAC	SYM. EPIPOLAR	3.00	2.11	6.09	13.67	3.38	2.41	6.16	14.37	3.49	43.92	46.89	49.36	1.46	643	1003	1460	201	5.03
47.	NORANSAC	SYM. EPIPOLAR	0.30	2.15	6.04	10.99	2.61	2.48	6.16	11.21	2.68	37.20	40.35	42.53	1.36	1900	3002	4964	854	14.30
48.	NORANSAC	GEOM. EPIPOLAR	0.42	2.03	6.03	10.82	2.63	2.39	6.16	11.39	2.70	37.08	40.15	42.41	1.36	1937	3072	4964	842	14.64
49.	MLESAC	SAMPSON	2.00	2.29	6.01	13.57	2.60	2.55	6.17	13.36	2.63	40.79	43.19	45.19	1.25	1195	1772	2909	417	8.55
50.	MLESAC	MAX EPIPOLAR	2.00	0.92	5.97	10.87	2.87	0.91	6.17	11.39	3.01	35.46	39.27	42.53	2.08	1829	3556	5000	1002	16.77
51.	NORANSAC	SYM. EPIPOLAR	0.50	2.26	6.16	16.89	3.73	2.59	6.17	17.24	3.84	41.83	44.69	47.05	1.43	901	1356	2053	310	6.74
52.	NOMLESAC	MAX EPIPOLAR	0.40	1.32	5.96	10.83	2.97	1.56	6.19	11.61	3.09	25.49	31.24	34.18	2.36	5000	5000	5000	0	24.21
53.	NORANSAC	GEOM. EPIPOLAR	0.71	2.36	6.16	16.85	3.72	2.59	6.20	17.24	3.83	41.48	44.47	46.81	1.42	933	1397	2177	327	6.88
54.	MLESAC	SYM. EPIPOLAR	1.50	0.98	6.02	10.97	3.06	1.31	6.21	11.64	3.12	27.23	32.77	35.69	1.89	5000	5000	5000	0	23.50
55.	NOMLESAC	SYM. EPIPOLAR	1.00	1.85	6.14	17.46	4.05	2.04	6.21	17.63	4.07	46.58	49.24	50.98	1.16	521	692	1028	132	3.70
56.	NOMLESAC	GEOM. EPIPOLAR	0.71	2.59	6.17	13.12	2.60	2.65	6.22	12.79	2.66	37.43	41.35	43.68	1.54	1515	2516	4474	751	12.22
57.	NORANSAC	SYM. EPIPOLAR	0.70	2.46	6.19	15.72	3.77	2.77	6.24	16.61	3.87	44.73	47.40	49.94	1.30	592	942	1509	199	4.80
58.	RANSAC	MAX EPIPOLAR	2.50	0.87	5.95	10.92	2.99	1.19	6.24	11.63	3.09	28.16	33.19	37.08	2.09	4776	4993	5000	41	22.87
59.	MLESAC	SAMPSON	1.00	0.89	6.13	15.60	3.42	1.37	6.28	16.04	3.44	20.05	25.93	29.90	2.16	5000	5000	5000	0	24.14
60.	NOMLESAC	MAX EPIPOLAR	0.90	2.56	6.21	13.78	3.15	2.81	6.28	13.89	3.23	43.92	46.94	49.59	1.47	622	977	1460	208	5.06
61.	NORANSAC	GEOM. EPIPOLAR	1.41	2.82	6.28	17.46	4.02	2.86	6.28	17.63	4.02	46.58	49.13	50.98	1.11	529	691	1028	126	3.64
62.	NOMLESAC	MAX EPIPOLAR	1.00	2.57	6.27	13.70	3.13	2.94	6.29	13.72	3.18	45.54	48.14	49.59	1.12	633	811	1132	134	4.26
63.	MLESAC	SAMPSON	2.50	2.37	6.18	13.58	3.34	2.51	6.30	14.27	3.49	43.34	46.87	49.13	1.40	665	1024	1602	222	5.11
64.	NORANSAC	SYM. EPIPOLAR	1.00	2.88	6.30	17.46	4.07	2.83	6.28	17.63	4.08	46.58	49.34	50.98	1.11	521	674	1028	127	3.53
65.	MLESAC	SYM. EPIPOLAR	2.00	1.20	6.17	14.54	2.91	1.43	6.31	14.94	3.07	36.38	40.06	42.87	1.60	1728	3085	5000	927	14.55
66.	NORANSAC	MAX EPIPOLAR	0.80	2.56	6.32	15.74	3.93	2.81	6.30	16.61	4.02	44.61	47.07	49.48	1.32	633	962	1509	198	4.92

Sequence: pen01

Rank	Algorithm			ς_1 (%)				ς_2 (%)				Inliers(%)				Iterations(max 5000)				Avg.
	method	error	th(px)	min	mean	max	std	min	mean	max	std	min	mean	max	std	min	mean	max	std	time(s)
67.	NOMLESAC	SYM. EPIPOLAR	0.60	2.61	6.27	13.06	2.52	2.76	6.32	12.73	2.58	37.66	41.65	43.92	1.62	1460	2283	4285	675	11.19
68.	MSAC	SAMPSON	2.50	1.53	6.26	14.58	3.06	1.76	6.35	14.96	3.11	35.11	38.87	41.02	1.56	2355	3561	5000	850	16.29
69.	NORANSAC	SYM. EPIPOLAR	0.90	2.86	6.35	15.38	3.53	2.87	6.31	14.49	3.50	46.23	48.56	50.75	1.15	568	746	1124	139	3.88
70.	NORANSAC	MAX EPIPOLAR	0.40	2.62	6.27	13.08	2.75	2.64	6.35	12.75	2.76	37.89	41.34	43.57	1.39	1543	2425	4105	622	11.61
71.	NOMSAC	MAX EPIPOLAR	0.60	2.43	6.22	14.05	2.93	2.78	6.39	14.83	3.00	40.56	44.67	46.93	1.65	926	1496	2909	512	7.28
72.	NORANSAC	MAX EPIPOLAR	0.50	2.39	6.34	16.87	3.67	2.79	6.40	17.32	3.83	40.32	43.31	45.31	1.25	1173	1670	2654	362	8.16
73.	NORANSAC	MAX EPIPOLAR	0.20	0.76	6.23	22.61	4.17	0.93	6.42	21.66	4.09	29.78	34.46	36.96	1.92	4882	4992	5000	30	23.69
74.	RANSAC	MAX EPIPOLAR	4.00	0.92	6.29	19.21	3.58	0.91	6.44	18.26	3.58	36.15	39.34	42.53	1.80	1829	3445	5000	905	15.82
75.	NORANSAC	GEOM. EPIPOLAR	0.99	2.59	6.40	15.74	3.67	2.82	6.45	16.62	3.79	44.50	47.22	49.94	1.36	592	956	1509	202	4.90
76.	RANSAC	SAMPSON	4.00	2.29	6.26	16.89	3.34	2.55	6.45	17.22	3.38	39.98	43.07	45.19	1.38	1195	1764	2820	414	8.26
77.	NOMLESAC	GEOM. EPIPOLAR	1.13	2.66	6.48	18.12	3.93	2.98	6.41	17.94	3.85	45.42	48.21	50.06	1.26	583	791	1152	152	4.13
78.	NOMLESAC	GEOM. EPIPOLAR	1.27	1.84	6.49	17.35	4.10	2.29	6.43	17.55	4.02	47.28	50.01	51.45	1.13	481	637	1028	135	3.43
79.	MSAC	GEOM. EPIPOLAR	5.66	1.20	6.42	14.56	3.05	1.43	6.50	14.94	3.23	36.38	40.02	42.87	1.58	1728	3092	5000	922	14.24
80.	RANSAC	SYM. EPIPOLAR	4.00	1.20	6.36	14.54	3.03	1.43	6.50	14.94	3.23	36.38	40.13	42.87	1.52	1728	3060	5000	923	14.11
81.	NORANSAC	GEOM. EPIPOLAR	1.27	2.76	6.49	15.25	3.54	2.82	6.50	14.44	3.52	46.00	48.42	50.64	1.26	568	770	1124	145	3.98
82.	RANSAC	GEOM. EPIPOLAR	5.66	1.20	6.37	14.56	3.04	1.43	6.51	14.94	3.23	36.38	40.04	42.87	1.54	1728	3091	5000	920	14.25
83.	MSAC	SAMPSON	4.50	2.35	6.38	16.83	3.59	2.54	6.53	17.11	3.67	41.71	44.21	46.47	1.38	983	1481	2093	339	7.06
84.	MLESAC	MAX EPIPOLAR	1.50	0.85	6.36	12.22	3.31	1.21	6.54	12.75	3.34	26.65	31.61	35.46	2.22	5000	5000	5000	0	23.51
85.	NORANSAC	GEOM. EPIPOLAR	1.13	2.57	6.54	15.69	3.79	2.83	6.55	16.58	3.85	44.96	47.78	50.17	1.43	574	864	1345	176	4.44
86.	RANSAC	GEOM. EPIPOLAR	3.54	0.80	6.42	22.83	4.28	1.10	6.58	21.17	4.08	29.08	34.19	37.43	1.80	4770	4992	5000	42	22.96
87.	RANSAC	SYM. EPIPOLAR	2.50	0.80	6.42	22.81	4.28	1.10	6.59	21.16	4.08	29.32	34.29	37.43	1.77	4770	4992	5000	42	22.85
88.	NOMSAC	GEOM. EPIPOLAR	1.41	1.57	6.55	17.46	3.98	1.76	6.65	17.63	4.02	46.58	48.94	50.98	1.18	529	711	1028	131	3.73
89.	RANSAC	SAMPSON	4.50	2.14	6.58	16.83	4.11	2.36	6.68	17.11	4.23	41.71	44.25	46.47	1.34	983	1469	2093	328	6.98
90.	MLESAC	MAX EPIPOLAR	3.50	2.26	6.70	18.05	3.99	2.49	6.60	17.95	3.95	45.89	48.43	50.06	1.14	583	794	1137	141	4.06
91.	MLESAC	GEOM. EPIPOLAR	4.24	2.40	6.70	18.03	4.03	2.59	6.63	17.91	4.04	45.08	48.65	50.29	1.30	564	740	1216	152	3.79
92.	MSAC	GEOM. EPIPOLAR	3.54	0.80	6.53	22.83	4.25	1.10	6.71	21.17	4.05	29.08	34.14	37.43	1.81	4770	4992	5000	42	22.85
93.	MSAC	SYM. EPIPOLAR	2.50	0.80	6.53	22.81	4.25	1.10	6.71	21.16	4.05	29.32	34.25	37.43	1.77	4770	4992	5000	42	22.84
94.	MSAC	MAX EPIPOLAR	2.50	0.87	6.42	18.39	3.68	1.19	6.73	20.95	4.01	28.16	33.10	37.08	2.15	4776	4993	5000	41	22.84
95.	NORANSAC	MAX EPIPOLAR	0.90	2.57	6.73	18.14	4.11	2.83	6.67	18.33	4.04	44.50	47.67	50.06	1.39	583	871	1332	169	4.46
96.	NORANSAC	GEOM. EPIPOLAR	0.57	2.72	6.71	16.32	3.06	2.79	6.75	17.27	3.16	39.40	42.54	44.61	1.33	1308	1957	3124	478	9.52
97.	MSAC	SYM. EPIPOLAR	4.00	1.20	6.67	14.54	3.12	1.43	6.77	14.94	3.28	36.38	40.09	42.87	1.57	1728	3073	5000	927	14.12
98.	RANSAC	SAMPSON	1.50	1.05	6.68	22.82	4.26	1.38	6.85	21.25	4.06	27.81	32.15	34.99	1.72	5000	5000	5000	0	22.84
99.	RANSAC	MAX EPIPOLAR	4.50	1.21	6.77	19.61	3.74	1.46	6.85	18.59	3.70	37.31	40.30	43.45	1.64	1573	2954	4964	847	13.72
100.	NOMSAC	GEOM. EPIPOLAR	0.71	1.97	6.81	22.37	4.18	2.26	6.85	20.89	4.07	38.24	43.99	46.47	1.81	983	1619	3851	615	7.87
101.	RANSAC	SAMPSON	3.50	2.29	6.70	14.60	3.28	2.62	6.90	15.39	3.38	38.47	41.76	44.26	1.46	1381	2205	3691	553	10.16
102.	MSAC	SAMPSON	3.50	2.29	6.70	14.60	3.28	2.62	6.90	15.39	3.38	38.47	41.76	44.26	1.46	1381	2205	3691	553	10.20
103.	NOMSAC	SYM. EPIPOLAR	1.00	2.88	6.79	17.46	4.30	2.83	6.92	17.63	4.39	46.12	49.08	51.10	1.36	521	732	1036	160	3.82
104.	MLESAC	SAMPSON	3.00	1.87	6.89	21.39	4.57	1.95	6.95	19.85	4.53	45.89	48.77	50.75	1.22	564	723	1073	130	3.70
105.	MLESAC	SYM. EPIPOLAR	1.00	1.03	6.80	22.83	4.50	1.59	6.95	21.33	4.28	17.61	20.93	25.26	1.92	5000	5000	5000	0	24.19
106.	MSAC	SAMPSON	1.50	1.05	6.78	22.82	4.50	1.38	6.97	21.25	4.34	27.81	32.07	34.99	1.78	5000	5000	5000	0	22.89
107.	NORANSAC	SYM. EPIPOLAR	0.40	2.66	6.91	16.27	3.30	2.79	6.97	17.17	3.44	39.75	42.81	44.84	1.26	1261	1879	2938	452	9.17
108.	MSAC	SAMPSON	2.00	0.75	6.86	22.81	4.49	1.04	6.97	21.17	4.35	30.59	36.03	39.28	1.86	3614	4797	5000	334	21.97
109.	NOMLESAC	MAX EPIPOLAR	0.30	0.97	6.87	22.76	4.21	1.38	7.01	21.25	4.04	20.28	23.92	28.51	2.15	5000	5000	5000	0	24.21
110.	MLESAC	MAX EPIPOLAR	4.00	2.66	7.02	18.11	4.29	2.84	6.79	17.85	4.18	47.86	50.22	51.91	1.09	451	619	1028	131	3.22
111.	NOMSAC	GEOM. EPIPOLAR	1.27	2.86	6.90	16.85	3.63	3.02	7.04	16.98	3.72	45.31	48.22	50.64	1.36	568	816	1173	163	4.19
112.	MSAC	MAX EPIPOLAR	4.50	1.21	6.97	19.61	3.87	1.46	7.06	18.59	3.88	37.31	40.33	43.45	1.62	1573	2961	4964	848	13.64
113.	RANSAC	GEOM. EPIPOLAR	2.83	0.98	6.95	22.89	4.42	1.33	7.11	21.35	4.18	26.42	31.01	33.95	1.82	5000	5000	5000	0	22.98
114.	RANSAC	SYM. EPIPOLAR	4.50	1.21	7.10	19.55	4.35	1.49	7.12	18.55	4.18	37.54	41.05	43.57	1.57	1543	2643	4964	818	12.21
115.	MSAC	SYM. EPIPOLAR	4.50	1.21	7.10	19.55	4.35	1.49	7.12	18.55	4.18	37.54	41.05	43.57	1.57	1543	2643	4964	818	12.17

Rank	Algorithm			c ₁ (%)				c ₂ (%)				Inliers(%)				Iterations(max 5000)				Avg.	
	method	error	th(px)	min	mean	max	std	min	mean	max	std	min	mean	max	std	min	mean	max	std	time(s)	
116.	NOMSAC	MAX	EPIPOLAR	1.00	2.71	7.09	17.93	4.23	2.94	7.13	17.99	4.27	44.38	48.04	50.52	1.57	568	858	1356	195	4.39
117.	RANSAC		SAMPSON	3.00	1.21	7.10	19.57	3.89	1.46	7.17	18.58	3.90	37.43	40.70	43.34	1.53	1602	2844	4964	880	13.08
118.	MSAC		SAMPSON	4.00	2.29	7.00	16.89	3.77	2.69	7.21	17.22	3.86	39.98	43.01	45.19	1.39	1195	1782	2820	420	8.36
119.	RANSAC	GEOM.	EPIPOLAR	6.36	1.21	7.15	19.55	4.37	1.49	7.21	18.55	4.23	37.43	40.97	43.57	1.59	1543	2677	4964	822	12.35
120.	RANSAC	MAX	EPIPOLAR	2.00	0.84	7.01	22.85	4.44	1.22	7.22	21.29	4.22	24.68	30.00	32.91	2.10	5000	5000	5000	0	22.89
121.	MSAC	MAX	EPIPOLAR	1.00	1.06	6.95	18.76	4.19	1.62	7.23	21.04	4.39	15.87	19.91	23.87	1.92	5000	5000	5000	0	22.94
122.	MLESAC	SYM.	EPIPOLAR	3.50	1.69	7.12	17.92	4.39	1.85	7.26	17.91	4.49	46.70	48.69	50.64	1.04	564	747	1137	130	3.81
123.	MSAC		SAMPSON	3.00	1.21	7.21	19.57	3.83	1.46	7.28	18.58	3.84	37.31	40.71	43.34	1.54	1602	2870	4964	904	13.20
124.	MSAC	SYM.	EPIPOLAR	2.00	0.98	7.09	22.83	4.63	1.33	7.28	21.32	4.42	26.88	31.07	34.07	1.80	5000	5000	5000	0	22.90
125.	MSAC	GEOM.	EPIPOLAR	2.83	0.98	7.10	22.89	4.64	1.33	7.29	21.35	4.42	26.42	31.00	33.95	1.83	5000	5000	5000	0	22.92
126.	MLESAC	MAX	EPIPOLAR	1.00	1.06	7.01	18.76	3.86	1.62	7.30	21.04	4.15	15.87	19.83	23.87	2.02	5000	5000	5000	0	23.49
127.	MLESAC	MAX	EPIPOLAR	0.50	1.08	7.08	18.77	4.51	1.74	7.33	21.05	4.62	4.40	6.68	8.92	0.99	5000	5000	5000	0	23.25
128.	NOMSAC	MAX	EPIPOLAR	0.80	2.56	7.28	29.71	5.56	2.81	7.34	27.87	5.31	43.11	46.81	49.25	1.63	760	1045	1664	277	5.28
129.	NOMSAC	GEOM.	EPIPOLAR	1.13	2.57	7.36	29.68	5.60	2.83	7.32	27.81	5.36	44.15	47.53	50.17	1.80	574	932	1407	230	4.74
130.	NOMSAC	GEOM.	EPIPOLAR	0.99	2.56	7.39	29.70	5.66	2.82	7.43	27.89	5.47	43.45	46.87	49.94	1.70	592	1014	1573	257	5.16
131.	NOMSAC	GEOM.	EPIPOLAR	0.85	2.44	7.37	29.68	5.60	2.84	7.43	28.28	5.40	41.02	45.47	48.44	1.92	827	1254	2355	375	6.25
132.	NOMSAC	MAX	EPIPOLAR	0.70	2.51	7.37	29.77	5.61	2.84	7.44	27.98	5.36	40.79	45.54	48.32	1.97	856	1252	2450	404	6.16
133.	NOMLESAC	SYM.	EPIPOLAR	0.20	1.17	7.32	22.90	4.60	1.73	7.47	21.32	4.42	11.82	14.61	18.31	1.60	5000	5000	5000	0	24.20
134.	MSAC	GEOM.	EPIPOLAR	6.36	1.21	7.42	19.55	4.36	1.49	7.48	18.55	4.22	37.43	40.97	43.57	1.59	1543	2678	4964	822	12.33
135.	NOMLESAC	MAX	EPIPOLAR	0.20	1.01	7.27	22.88	4.67	1.54	7.49	21.30	4.53	10.43	13.43	16.34	1.62	5000	5000	5000	0	24.13
136.	RANSAC	MAX	EPIPOLAR	0.50	0.91	7.19	18.95	4.51	1.46	7.50	21.08	4.59	8.46	11.81	14.95	1.45	5000	5000	5000	0	22.81
137.	MSAC	MAX	EPIPOLAR	2.00	0.84	7.26	18.43	3.96	1.22	7.57	20.93	4.20	24.57	29.93	32.91	2.14	5000	5000	5000	0	22.94
138.	NOMSAC	SYM.	EPIPOLAR	0.70	2.46	7.58	29.71	5.48	2.77	7.59	27.87	5.25	43.57	46.70	49.48	1.69	760	1083	1817	297	5.43
139.	RANSAC	GEOM.	EPIPOLAR	2.12	0.89	7.36	22.80	4.75	1.37	7.62	21.37	4.60	23.06	26.91	30.71	1.84	5000	5000	5000	0	22.94
140.	RANSAC	SYM.	EPIPOLAR	2.00	0.98	7.45	22.83	5.03	1.33	7.64	21.32	4.93	26.88	31.09	34.07	1.78	5000	5000	5000	0	22.92
141.	RANSAC		SAMPSON	1.00	0.89	7.36	22.81	5.10	1.37	7.68	21.35	5.18	22.48	26.24	29.90	1.85	5000	5000	5000	0	23.53
142.	MSAC	GEOM.	EPIPOLAR	2.12	0.89	7.36	22.80	5.10	1.37	7.69	21.37	5.19	23.06	26.91	30.71	1.85	5000	5000	5000	0	22.93
143.	NOMSAC	MAX	EPIPOLAR	0.50	2.39	7.59	22.44	4.60	2.54	7.69	20.91	4.40	36.85	42.80	45.31	1.91	1173	2125	4991	966	10.15
144.	MLESAC	MAX	EPIPOLAR	4.50	2.83	7.75	17.85	4.26	2.85	7.53	17.74	4.20	48.55	51.70	53.53	1.35	369	512	884	114	2.74
145.	NOMSAC	SYM.	EPIPOLAR	0.90	2.53	7.77	29.67	5.95	2.65	7.78	28.16	5.76	44.73	48.24	50.75	1.63	568	826	1284	192	4.22
146.	MLESAC	SYM.	EPIPOLAR	4.00	2.10	7.79	17.49	4.34	2.35	7.75	17.68	4.36	48.09	50.64	52.14	1.06	438	578	1028	128	3.06
147.	MSAC	SYM.	EPIPOLAR	1.50	0.90	7.54	22.80	5.01	1.39	7.79	21.36	5.07	23.06	26.89	30.94	1.97	5000	5000	5000	0	22.92
148.	NOMSAC	MAX	EPIPOLAR	0.90	2.57	7.80	29.69	5.91	2.83	7.79	27.79	5.70	43.80	47.35	50.06	1.80	583	948	1487	239	4.81
149.	NOMSAC	SYM.	EPIPOLAR	0.40	1.80	7.83	22.43	4.97	2.07	7.83	21.03	4.79	36.27	42.16	44.84	2.13	1261	2366	5000	1008	11.27
150.	MSAC	SYM.	EPIPOLAR	1.00	1.03	7.60	22.83	5.31	1.59	7.85	21.33	5.25	17.61	21.10	25.26	1.83	5000	5000	5000	0	23.54
151.	MLESAC	SYM.	EPIPOLAR	0.50	1.12	7.60	22.82	5.29	1.75	7.86	21.28	5.24	5.10	7.18	9.27	0.97	5000	5000	5000	0	23.94
152.	RANSAC		SAMPSON	0.50	0.96	7.65	22.86	5.30	1.51	7.89	21.36	5.25	14.48	16.62	20.16	1.60	5000	5000	5000	0	23.55
153.	NOMSAC	SYM.	EPIPOLAR	0.50	2.18	7.74	29.22	5.88	2.39	8.00	34.10	6.44	37.20	44.02	46.93	2.25	962	1712	4673	835	8.20
154.	RANSAC	SYM.	EPIPOLAR	1.50	0.90	7.69	22.80	5.18	1.39	8.02	21.36	5.20	23.17	26.99	30.94	1.87	5000	5000	5000	0	22.93
155.	NOMLESAC	GEOM.	EPIPOLAR	1.41	2.55	8.03	17.44	4.58	2.69	7.91	16.95	4.44	47.39	50.83	52.61	1.33	411	540	856	106	2.97
156.	RANSAC	MAX	EPIPOLAR	1.00	1.06	7.76	18.76	4.45	1.62	8.04	21.04	4.62	15.87	19.96	23.87	1.88	5000	5000	5000	0	22.87
157.	MSAC	MAX	EPIPOLAR	1.50	0.88	7.71	18.91	4.42	1.35	8.07	21.06	4.65	21.09	25.76	29.55	2.06	5000	5000	5000	0	22.94
158.	MLESAC		SAMPSON	3.50	2.56	8.10	21.31	4.54	2.59	8.03	19.19	4.49	46.58	51.13	53.07	1.33	393	535	966	122	2.81
159.	RANSAC	GEOM.	EPIPOLAR	1.41	1.03	8.05	22.83	5.33	1.59	8.26	21.32	5.31	17.61	21.04	24.91	1.80	5000	5000	5000	0	23.62
160.	MSAC	GEOM.	EPIPOLAR	1.41	1.03	8.05	22.83	5.33	1.59	8.26	21.32	5.31	17.61	21.04	24.91	1.80	5000	5000	5000	0	23.58
161.	MSAC		SAMPSON	1.00	0.89	8.03	22.81	5.36	1.37	8.27	21.35	5.37	22.25	26.04	29.90	2.00	5000	5000	5000	0	23.55
162.	RANSAC	SYM.	EPIPOLAR	1.00	1.03	8.08	22.83	5.37	1.59	8.30	21.33	5.36	17.61	21.13	25.26	1.81	5000	5000	5000	0	23.60
163.	RANSAC	MAX	EPIPOLAR	1.50	0.88	7.98	22.82	5.05	1.35	8.32	21.41	5.08	21.32	25.79	29.55	2.04	5000	5000	5000	0	22.85
164.	NOMSAC	MAX	EPIPOLAR	0.40	1.78	8.26	22.57	5.38	2.10	8.41	21.52	5.44	34.41	40.72	43.57	2.29	1543	2863	5000	1074	13.43

Sequence: pen01

Rank	Algorithm				$\varsigma_1(\%)$				$\varsigma_2(\%)$				Inliers(%)				Iterations(max 5000)				Avg.
	method	error	th(px)		min	mean	max	std	min	mean	max	std	min	mean	max	std	min	mean	max	std	time(s)
165.	NOMSAC	SYM. EPIPOLAR	0.60		2.39	8.38	29.71	6.53	2.75	8.46	29.58	6.65	40.79	45.56	48.67	1.98	788	1256	2450	391	6.20
166.	MLESAC	GEOM. EPIPOLAR	4.95		2.98	8.48	17.25	4.38	3.00	8.37	17.62	4.38	46.23	50.99	52.84	1.39	399	546	1018	134	2.88
167.	MLESAC	SYM. EPIPOLAR	4.50		2.50	8.77	21.18	4.67	2.58	8.51	19.09	4.57	48.09	52.18	53.77	1.43	353	465	773	98	2.51
168.	MLESAC	GEOM. EPIPOLAR	5.66		2.72	8.77	16.99	4.39	2.55	8.59	17.24	4.44	50.52	53.07	55.04	1.24	299	411	546	70	2.26
169.	NOMSAC	GEOM. EPIPOLAR	0.42		2.03	8.64	22.61	5.77	2.39	8.88	21.47	5.94	33.26	39.09	42.41	2.64	1937	3511	5000	1057	16.68
170.	NOMLESAC	GEOM. EPIPOLAR	0.28		1.10	6.02	11.17	2.95	1.58	9.35	99.71	17.32	12.63	18.16	22.25	2.14	5000	5000	5000	0	24.21
171.	MLESAC	SAMPSON	4.00		2.33	9.36	21.86	4.78	2.36	9.11	19.80	4.73	49.02	53.28	55.04	1.31	299	406	676	83	2.22
172.	MLESAC	GEOM. EPIPOLAR	6.36		2.21	9.58	21.79	4.86	1.94	9.58	19.49	4.79	51.68	54.77	56.55	1.39	247	326	466	62	1.86
173.	MSAC	MAX EPIPOLAR	4.00		0.92	6.70	19.21	3.69	0.91	9.84	99.71	17.35	36.15	39.30	42.53	1.84	1829	3471	5000	931	15.94
174.	MLESAC	SAMPSON	4.50		2.28	10.17	28.31	5.90	2.34	10.06	28.75	5.87	51.68	54.99	56.66	1.37	244	317	466	63	1.83
175.	NOMSAC	SYM. EPIPOLAR	0.80		2.53	7.14	29.60	5.63	2.80	10.26	99.71	17.74	44.26	47.71	50.29	1.75	568	910	1381	216	4.65
176.	MSAC	GEOM. EPIPOLAR	0.71		0.91	10.82	89.16	15.87	1.44	9.30	36.47	7.76	8.00	11.99	15.53	1.85	5000	5000	5000	0	23.54
177.	NOMSAC	GEOM. EPIPOLAR	0.57		2.18	7.77	22.42	4.56	2.34	11.07	99.71	17.28	36.04	41.88	44.61	1.95	1308	2325	5000	931	11.07
178.	MLESAC	GEOM. EPIPOLAR	0.71		0.87	7.58	22.81	4.99	2.68	11.08	99.71	17.44	7.30	9.46	11.94	1.18	5000	5000	5000	0	24.00
179.	MLESAC	SAMPSON	0.50		0.87	7.63	22.81	5.31	2.46	11.14	99.71	17.49	7.30	9.63	11.94	1.10	5000	5000	5000	0	23.96
180.	RANSAC	SYM. EPIPOLAR	0.50		0.91	7.84	22.84	5.26	1.44	11.32	99.71	17.47	10.54	12.59	15.53	1.37	5000	5000	5000	0	23.57
181.	RANSAC	GEOM. EPIPOLAR	0.71		0.91	7.85	22.83	5.26	1.44	11.32	99.71	17.46	10.20	12.52	15.53	1.39	5000	5000	5000	0	23.59
182.	MSAC	SAMPSON	0.50		0.96	12.88	92.53	16.30	1.51	12.30	69.51	12.30	5.56	12.43	19.00	2.89	5000	5000	5000	0	23.50
183.	MSAC	MAX EPIPOLAR	0.50		0.91	20.17	90.09	24.30	1.46	20.78	87.02	22.94	2.55	8.08	13.56	3.06	5000	5000	5000	0	22.84
184.	MSAC	SYM. EPIPOLAR	0.50		0.91	22.78	89.94	27.09	1.44	18.85	77.91	18.12	4.29	8.92	14.14	2.93	5000	5000	5000	0	23.49
185.	NOMSAC	SYM. EPIPOLAR	0.30		2.15	26.56	91.67	33.42	2.48	26.38	98.83	32.86	2.09	31.88	42.53	12.64	1900	4103	5000	1097	19.31
186.	NOMSAC	MAX EPIPOLAR	0.30		2.01	37.63	99.56	38.61	3.18	37.63	99.71	38.01	2.20	25.35	40.56	15.38	2738	4542	5000	821	21.30
187.	NOMSAC	SYM. EPIPOLAR	0.20		54.05	84.72	99.55	12.70	55.15	82.41	99.10	14.26	0.93	1.34	2.43	0.33	5000	5000	5000	0	23.75
188.	NOMSAC	GEOM. EPIPOLAR	0.28		34.95	85.67	99.58	14.49	49.26	87.68	99.71	14.62	1.27	2.02	4.29	0.74	5000	5000	5000	0	23.55
189.	NOMSAC	MAX EPIPOLAR	0.20		55.49	87.75	99.56	12.30	51.78	86.48	99.71	11.87	0.93	1.41	3.24	0.51	5000	5000	5000	0	23.52