

Sequence: pen02

Groundtruth fundamental matrix
pixel reprojection error

Image	min	mean	max	std
pen0	0.0	1.0	6.5	1.0
pen2	0.0	1.0	6.5	1.0

Input matches: 863



pen0



pen2

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.	MLESAC	GEOM. EPIPOLAR	4.24	5.51	15.81	29.29	6.18	4.60	15.54	28.93	6.71	19.00	24.50	27.69	1.79	5000	5000	5000	0	13.85
2.	MLESAC	MAX EPIPOLAR	4.50	5.78	15.87	30.28	5.73	4.50	15.93	27.71	6.38	25.26	28.21	30.59	1.22	5000	5000	5000	0	13.80
3.	MLESAC	GEOM. EPIPOLAR	4.95	7.47	15.97	30.34	5.29	4.48	15.48	28.11	6.21	21.67	27.43	30.59	1.82	5000	5000	5000	0	13.80
4.	MLESAC	GEOM. EPIPOLAR	6.36	7.35	16.39	22.89	4.04	4.57	16.29	27.89	5.60	25.38	33.84	36.38	1.94	5000	5000	5000	0	13.63
5.	NOMLESAC	GEOM. EPIPOLAR	1.13	11.02	17.22	28.36	4.44	7.28	16.78	26.60	5.21	19.00	24.13	27.69	1.96	5000	5000	5000	0	14.12
6.	NOMLESAC	GEOM. EPIPOLAR	1.41	10.41	17.30	28.65	4.58	7.71	16.50	26.91	5.19	24.68	28.73	31.29	1.49	5000	5000	5000	0	13.96
7.	NOMLESAC	GEOM. EPIPOLAR	1.27	10.58	17.56	29.28	4.48	7.45	16.86	27.40	5.30	20.74	26.37	30.24	1.95	5000	5000	5000	0	14.12
8.	NORANSAC	MAX EPIPOLAR	1.00	5.82	17.71	84.10	13.81	4.95	17.90	99.71	16.70	20.86	24.09	26.77	1.28	5000	5000	5000	0	13.92
9.	MLESAC	GEOM. EPIPOLAR	5.66	7.09	16.16	32.06	5.38	4.34	17.92	99.71	16.44	26.54	30.87	33.02	1.35	5000	5000	5000	0	13.71
10.	MLESAC	SYM. EPIPOLAR	4.00	5.78	17.78	84.10	13.81	4.29	17.95	99.71	16.74	22.83	26.99	30.48	1.40	5000	5000	5000	0	13.72
11.	NOMLESAC	MAX EPIPOLAR	1.00	5.82	17.42	84.10	13.77	4.95	18.07	99.71	16.68	20.86	24.02	26.77	1.32	5000	5000	5000	0	14.12
12.	NOMLESAC	MAX EPIPOLAR	0.90	6.14	17.52	83.71	13.70	4.83	18.14	99.71	16.70	17.84	22.00	24.91	1.51	5000	5000	5000	0	14.21
13.	NOMLESAC	GEOM. EPIPOLAR	0.71	6.07	17.51	84.88	13.91	4.46	18.26	99.71	16.73	9.73	16.20	19.93	2.41	5000	5000	5000	0	13.99
14.	NOMLESAC	SYM. EPIPOLAR	1.00	5.38	17.75	84.10	13.70	4.26	18.33	99.71	16.60	22.83	25.99	28.85	1.16	5000	5000	5000	0	14.19
15.	NORANSAC	GEOM. EPIPOLAR	1.41	5.27	18.39	84.10	13.92	4.25	18.40	99.71	16.52	22.94	25.73	28.62	1.09	5000	5000	5000	0	14.11
16.	MLESAC	GEOM. EPIPOLAR	3.54	5.68	18.09	84.88	14.03	4.83	18.43	99.71	16.69	15.18	20.59	24.33	2.10	5000	5000	5000	0	13.75
17.	NOMLESAC	SYM. EPIPOLAR	0.90	5.66	17.77	84.10	13.65	4.70	18.43	99.71	16.56	19.70	23.95	26.88	1.41	5000	5000	5000	0	14.24

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	GEOM. EPIPOLAR	0.85	6.30	17.87	84.49	13.68	5.37	18.59	99.71	16.60	13.90	19.12	22.48	1.99	5000	5000	5000	0	14.13
19.	NORANSAC	GEOM. EPIPOLAR	1.27	5.69	18.42	84.10	13.88	4.94	18.63	99.71	16.53	21.67	24.70	27.58	1.21	5000	5000	5000	0	14.21
20.	MLESAC	MAX EPIPOLAR	4.00	5.75	17.69	84.49	13.80	4.73	18.73	99.71	16.67	20.51	25.56	28.97	1.69	5000	5000	5000	0	13.82
21.	MLESAC	SYM. EPIPOLAR	3.50	5.96	18.10	84.49	14.03	4.55	18.77	99.71	16.72	21.21	24.36	27.58	1.41	5000	5000	5000	0	13.78
22.	NOMLESAC	GEOM. EPIPOLAR	0.99	6.25	16.48	29.22	5.74	4.65	18.85	99.71	16.47	17.84	21.78	24.91	1.58	5000	5000	5000	0	14.00
23.	MLESAC	GEOM. EPIPOLAR	2.83	6.26	17.86	84.88	13.89	4.78	18.86	99.71	16.66	10.20	16.45	19.70	2.22	5000	5000	5000	0	13.70
24.	NORANSAC	SYM. EPIPOLAR	0.90	5.69	18.88	84.49	13.80	7.49	18.99	99.71	16.35	22.02	25.14	27.93	1.16	5000	5000	5000	0	13.97
25.	NORANSAC	SYM. EPIPOLAR	0.40	5.80	18.92	86.48	14.33	7.01	20.36	95.23	16.56	14.14	17.95	20.86	1.73	5000	5000	5000	0	13.89
26.	MLESAC	SYM. EPIPOLAR	4.50	6.51	18.23	83.71	13.64	4.55	20.69	99.71	22.26	27.81	29.78	31.52	1.04	5000	5000	5000	0	13.79
27.	NOMLESAC	SYM. EPIPOLAR	0.80	6.38	20.02	85.28	18.63	4.61	20.96	99.71	22.14	18.66	21.69	24.68	1.37	5000	5000	5000	0	14.03
28.	MLESAC	SAMPSON	4.50	11.94	21.05	83.71	12.95	8.29	21.09	99.71	15.96	33.14	35.23	37.20	1.07	4673	4989	5000	60	13.68
29.	NORANSAC	MAX EPIPOLAR	0.90	5.99	20.52	85.28	18.36	7.24	21.09	99.71	21.90	20.16	23.10	25.84	1.38	5000	5000	5000	0	13.84
30.	NOMLESAC	MAX EPIPOLAR	0.80	6.38	19.89	85.28	18.47	5.97	21.15	99.71	22.02	16.22	19.98	23.06	1.52	5000	5000	5000	0	14.08
31.	NORANSAC	MAX EPIPOLAR	0.50	6.20	18.77	86.51	14.58	7.08	21.26	95.39	19.05	13.90	18.34	21.67	1.74	5000	5000	5000	0	14.00
32.	NOMSAC	GEOM. EPIPOLAR	1.41	5.27	20.78	84.10	18.37	7.41	21.35	99.71	22.13	22.25	25.56	28.62	1.15	5000	5000	5000	0	13.74
33.	NORANSAC	MAX EPIPOLAR	0.80	5.83	20.65	85.28	18.36	6.92	21.39	99.71	21.93	19.47	22.03	24.91	1.36	5000	5000	5000	0	13.88
34.	NORANSAC	SYM. EPIPOLAR	1.00	6.52	19.20	84.10	13.87	4.26	21.41	99.71	22.11	23.29	26.11	28.85	1.08	5000	5000	5000	0	14.06
35.	NOMLESAC	SYM. EPIPOLAR	0.70	6.23	20.42	85.28	18.47	6.97	21.44	99.71	21.86	14.83	19.52	22.48	1.70	5000	5000	5000	0	14.03
36.	MLESAC	MAX EPIPOLAR	3.50	5.91	20.11	85.68	18.63	4.70	21.48	99.71	21.86	19.35	22.91	26.30	1.56	5000	5000	5000	0	13.81
37.	NOMLESAC	MAX EPIPOLAR	0.70	5.78	20.34	86.52	18.71	6.96	21.52	99.71	21.59	12.75	18.13	21.32	1.90	5000	5000	5000	0	14.09
38.	NOMSAC	GEOM. EPIPOLAR	1.13	6.00	20.65	84.88	18.69	7.21	21.55	99.71	22.18	19.24	23.40	26.30	1.39	5000	5000	5000	0	13.71
39.	NORANSAC	GEOM. EPIPOLAR	0.99	6.28	21.08	85.28	18.32	7.05	21.58	99.71	21.85	19.58	22.26	25.03	1.32	5000	5000	5000	0	14.00
40.	MLESAC	MAX EPIPOLAR	3.00	5.37	20.28	85.68	18.64	6.19	21.63	99.71	21.74	13.21	20.16	23.87	2.06	5000	5000	5000	0	13.82
41.	NORANSAC	SYM. EPIPOLAR	0.80	6.00	20.84	84.88	18.17	7.20	21.63	99.71	21.90	21.09	23.98	26.77	1.23	5000	5000	5000	0	13.82
42.	MLESAC	SYM. EPIPOLAR	3.00	5.64	20.68	85.68	18.64	6.47	21.64	99.71	21.79	16.57	21.52	24.80	1.61	5000	5000	5000	0	14.00
43.	NOMLESAC	SYM. EPIPOLAR	0.60	5.77	20.50	86.08	18.72	7.04	21.65	99.71	21.58	10.89	17.10	20.05	2.03	5000	5000	5000	0	14.12
44.	NOMSAC	SYM. EPIPOLAR	0.90	5.69	20.69	84.49	18.67	7.49	21.67	99.71	22.22	21.32	24.76	27.93	1.38	5000	5000	5000	0	13.75
45.	NOMSAC	SYM. EPIPOLAR	1.00	5.38	20.67	84.10	18.36	7.51	21.79	99.71	22.02	22.13	25.69	28.85	1.36	5000	5000	5000	0	13.77
46.	NORANSAC	GEOM. EPIPOLAR	1.13	6.00	21.12	84.88	18.33	7.21	21.80	99.71	21.99	20.97	23.62	26.30	1.23	5000	5000	5000	0	13.93
47.	NOMLESAC	MAX EPIPOLAR	0.60	6.01	20.67	86.05	18.91	7.12	21.85	99.71	21.62	8.92	15.71	19.35	2.17	5000	5000	5000	0	14.02
48.	NORANSAC	SYM. EPIPOLAR	0.70	6.26	21.42	84.88	18.49	7.01	21.86	99.71	21.96	19.81	22.64	25.72	1.35	5000	5000	5000	0	13.80
49.	MLESAC	GEOM. EPIPOLAR	2.12	6.37	20.68	85.68	18.61	7.06	21.97	99.71	21.62	5.21	11.96	15.18	2.30	5000	5000	5000	0	13.76
50.	MLESAC	SYM. EPIPOLAR	2.50	6.18	20.64	85.68	18.65	6.87	22.18	99.71	21.67	14.25	18.10	21.09	1.74	5000	5000	5000	0	13.73
51.	NOMLESAC	GEOM. EPIPOLAR	0.42	6.36	21.05	85.68	18.85	7.08	22.36	99.71	21.63	4.75	9.07	12.86	1.80	5000	5000	5000	0	13.97
52.	NOMSAC	GEOM. EPIPOLAR	0.99	6.46	21.92	95.07	19.92	7.26	22.51	99.71	22.00	16.80	21.88	25.03	1.82	5000	5000	5000	0	13.72
53.	NORANSAC	GEOM. EPIPOLAR	0.71	6.24	21.01	85.28	18.88	7.30	22.54	99.71	22.48	15.18	19.52	22.36	1.60	5000	5000	5000	0	14.00
54.	NOMSAC	GEOM. EPIPOLAR	1.27	5.69	21.16	84.10	18.47	7.31	22.71	99.71	22.47	21.09	24.46	27.58	1.36	5000	5000	5000	0	13.72
55.	NORANSAC	MAX EPIPOLAR	0.70	6.33	21.03	85.28	18.63	7.30	22.77	99.71	22.26	17.27	20.87	23.75	1.43	5000	5000	5000	0	13.79
56.	NOMSAC	MAX EPIPOLAR	1.00	5.82	21.46	85.28	18.78	7.15	22.84	99.71	22.37	20.51	23.82	26.77	1.41	5000	5000	5000	0	13.74
57.	NOMSAC	SYM. EPIPOLAR	0.80	7.03	22.18	95.07	19.69	7.42	22.85	99.71	21.90	17.84	23.36	26.77	1.85	5000	5000	5000	0	13.75
58.	NORANSAC	MAX EPIPOLAR	0.60	6.32	21.22	85.28	18.78	7.21	22.97	99.71	22.29	15.99	19.69	22.36	1.48	5000	5000	5000	0	13.81
59.	NOMLESAC	SYM. EPIPOLAR	0.50	8.36	21.82	86.08	18.62	7.11	23.09	99.71	21.34	9.85	14.31	17.27	1.94	5000	5000	5000	0	14.20
60.	NOMLESAC	SYM. EPIPOLAR	0.40	7.88	22.21	95.07	19.82	7.20	23.21	99.71	21.52	7.18	11.11	14.60	1.82	5000	5000	5000	0	13.94
61.	MLESAC	SAMPSON	4.00	5.83	18.99	33.25	6.59	6.41	23.24	99.71	21.78	30.13	31.76	33.37	0.87	5000	5000	5000	0	13.80
62.	NORANSAC	GEOM. EPIPOLAR	0.85	6.87	21.83	85.28	18.48	7.24	23.27	99.71	22.12	17.27	20.92	23.64	1.50	5000	5000	5000	0	14.05
63.	NOMLESAC	GEOM. EPIPOLAR	0.57	5.75	23.37	99.71	23.62	6.66	21.71	99.71	21.54	6.14	13.11	16.69	2.30	5000	5000	5000	0	14.00
64.	MLESAC	MAX EPIPOLAR	2.00	6.58	22.20	95.07	19.78	7.16	23.50	99.71	21.61	8.34	13.14	16.92	2.09	5000	5000	5000	0	13.69
65.	NOMSAC	MAX EPIPOLAR	0.90	5.99	21.52	85.28	18.87	7.24	23.72	99.71	24.14	17.73	22.85	25.84	1.62	5000	5000	5000	0	13.81
66.	MLESAC	GEOM. EPIPOLAR	1.41	8.50	22.61	95.07	19.51	7.11	23.90	99.71	21.35	4.29	6.99	9.62	1.33	5000	5000	5000	0	13.88

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.	RANSAC	GEOM. EPIPOLAR	4.95	5.77	22.78	95.07	19.96	4.32	24.01	99.71	22.50	8.69	13.12	15.87	1.81	5000	5000	5000	0	13.68
68.	MSAC	GEOM. EPIPOLAR	4.95	5.77	22.78	95.07	19.96	4.32	24.01	99.71	22.50	8.69	13.12	15.87	1.81	5000	5000	5000	0	13.39
69.	MLESAC	MAX EPIPOLAR	2.50	6.31	21.21	85.68	18.81	7.06	24.02	99.71	23.82	12.05	16.81	20.28	1.94	5000	5000	5000	0	13.78
70.	NOMSAC	GEOM. EPIPOLAR	0.85	6.66	22.29	95.07	20.12	5.64	24.04	99.71	24.17	16.11	20.56	23.64	1.88	5000	5000	5000	0	13.70
71.	RANSAC	MAX EPIPOLAR	4.00	5.77	22.38	95.07	19.85	4.32	24.13	99.71	22.12	8.34	13.17	16.92	2.07	5000	5000	5000	0	13.45
72.	NORANSAC	MAX EPIPOLAR	0.40	5.78	21.61	95.07	20.15	6.95	24.15	99.71	23.77	12.51	16.64	20.05	1.78	5000	5000	5000	0	13.81
73.	NORANSAC	GEOM. EPIPOLAR	0.57	5.83	21.75	95.07	20.02	7.05	24.20	99.71	23.76	13.67	17.71	20.63	1.78	5000	5000	5000	0	13.96
74.	NORANSAC	SYM. EPIPOLAR	0.50	6.30	21.35	85.28	18.67	7.25	24.60	99.71	26.08	15.53	19.83	22.48	1.55	5000	5000	5000	0	13.80
75.	RANSAC	GEOM. EPIPOLAR	6.36	6.67	22.48	95.07	19.64	7.36	24.66	99.71	21.75	10.78	15.16	18.66	1.89	5000	5000	5000	0	13.52
76.	MSAC	GEOM. EPIPOLAR	6.36	6.67	22.48	95.07	19.64	7.36	24.66	99.71	21.75	10.78	15.16	18.66	1.89	5000	5000	5000	0	13.36
77.	NOMSAC	MAX EPIPOLAR	0.80	5.83	22.40	95.07	19.96	6.99	24.70	99.71	23.96	16.57	21.65	24.91	1.83	5000	5000	5000	0	13.86
78.	RANSAC	GEOM. EPIPOLAR	5.66	8.14	22.61	95.07	19.65	7.41	24.73	99.71	21.92	10.08	14.20	18.08	1.91	5000	5000	5000	0	13.61
79.	RANSAC	MAX EPIPOLAR	4.50	6.56	22.79	95.07	19.63	7.29	24.81	99.71	21.81	9.04	14.10	18.31	2.10	5000	5000	5000	0	13.48
80.	MSAC	MAX EPIPOLAR	4.50	6.56	22.79	95.07	19.63	7.29	24.81	99.71	21.81	9.04	14.10	18.31	2.10	5000	5000	5000	0	13.68
81.	NORANSAC	GEOM. EPIPOLAR	0.42	8.01	22.60	95.07	20.02	7.10	24.89	99.71	23.72	11.47	15.63	18.77	1.76	5000	5000	5000	0	13.96
82.	MLESAC	SAMPSON	2.50	7.10	21.72	85.28	18.32	7.14	24.91	99.71	25.86	16.34	21.71	24.68	1.53	5000	5000	5000	0	13.74
83.	NORANSAC	SYM. EPIPOLAR	0.30	8.11	22.69	95.07	20.02	7.11	24.91	99.71	23.71	11.70	15.82	18.89	1.78	5000	5000	5000	0	13.90
84.	RANSAC	SYM. EPIPOLAR	4.50	8.72	22.66	95.07	19.52	8.18	24.91	99.71	21.57	10.78	15.31	18.66	1.79	5000	5000	5000	0	13.41
85.	RANSAC	SYM. EPIPOLAR	4.00	8.54	22.99	95.07	19.66	7.32	24.93	99.71	21.96	10.43	14.44	18.08	1.76	5000	5000	5000	0	13.44
86.	MSAC	GEOM. EPIPOLAR	5.66	8.14	22.97	95.07	19.66	7.41	24.98	99.71	21.98	10.08	14.19	18.08	1.91	5000	5000	5000	0	13.38
87.	NOMSAC	SYM. EPIPOLAR	0.70	7.07	23.35	95.07	19.99	7.13	25.07	99.71	22.76	17.15	21.92	25.72	1.99	5000	5000	5000	0	13.69
88.	MLESAC	SYM. EPIPOLAR	1.50	8.20	23.19	95.07	19.49	7.32	25.11	99.71	21.90	6.84	10.08	12.63	1.54	5000	5000	5000	0	13.62
89.	MSAC	SYM. EPIPOLAR	4.50	8.54	23.34	95.07	19.69	7.29	25.16	99.71	21.97	10.54	15.28	18.66	1.83	5000	5000	5000	0	13.37
90.	MSAC	SYM. EPIPOLAR	4.00	8.54	23.36	95.07	19.67	7.32	25.18	99.71	22.02	10.20	14.43	18.08	1.78	5000	5000	5000	0	13.36
91.	MLESAC	SAMPSON	3.50	5.74	22.19	88.14	18.42	6.59	25.37	99.71	25.74	26.77	28.56	30.71	0.99	5000	5000	5000	0	13.80
92.	MLESAC	SAMPSON	3.00	5.52	22.27	88.56	18.50	6.58	25.38	99.71	25.78	23.29	25.36	28.16	1.17	5000	5000	5000	0	13.80
93.	NORANSAC	SYM. EPIPOLAR	0.60	6.73	21.83	85.28	18.47	7.24	25.65	99.71	26.24	17.61	21.18	23.87	1.41	5000	5000	5000	0	13.87
94.	MSAC	MAX EPIPOLAR	4.00	5.77	23.52	95.07	19.71	4.32	25.78	99.71	22.46	8.34	13.14	16.92	2.08	5000	5000	5000	0	13.63
95.	RANSAC	SYM. EPIPOLAR	3.50	8.73	23.38	95.07	19.56	7.72	25.85	99.71	22.27	9.50	13.28	15.99	1.69	5000	5000	5000	0	13.38
96.	MLESAC	SYM. EPIPOLAR	2.00	8.54	24.27	95.07	22.67	7.32	25.90	99.71	25.51	9.15	14.31	18.08	1.98	5000	5000	5000	0	13.74
97.	MSAC	SAMPSON	4.00	7.91	24.94	95.07	22.66	7.80	26.67	99.71	25.34	13.79	17.57	20.39	1.65	5000	5000	5000	0	13.87
98.	RANSAC	SAMPSON	4.00	7.91	22.77	85.68	18.37	7.80	26.67	99.71	25.34	13.79	17.59	20.39	1.65	5000	5000	5000	0	13.92
99.	RANSAC	SYM. EPIPOLAR	3.00	5.85	24.93	95.07	23.66	4.34	26.69	99.71	26.41	8.34	12.20	15.18	1.65	5000	5000	5000	0	13.34
100.	MSAC	SYM. EPIPOLAR	3.50	5.70	23.40	95.07	20.16	4.32	26.82	99.71	26.32	9.50	13.26	15.99	1.71	5000	5000	5000	0	13.29
101.	MLESAC	MAX EPIPOLAR	1.50	6.16	23.00	95.07	19.89	4.49	26.83	99.71	25.91	5.45	9.11	11.82	1.61	5000	5000	5000	0	13.63
102.	NOMLESAC	MAX EPIPOLAR	0.50	5.88	24.26	95.07	23.24	6.77	26.99	99.71	27.54	8.57	13.00	16.69	2.07	5000	5000	5000	0	14.08
103.	NOMLESAC	SYM. EPIPOLAR	0.30	6.01	23.29	95.07	19.99	4.49	27.02	99.71	26.30	4.98	7.62	9.97	1.18	5000	5000	5000	0	13.93
104.	RANSAC	SAMPSON	4.50	7.72	23.07	85.68	18.52	7.86	27.12	99.71	25.68	15.18	18.63	21.55	1.61	5000	5000	5000	0	13.73
105.	NOMLESAC	GEOM. EPIPOLAR	0.28	5.91	23.49	95.07	19.90	4.87	27.32	99.71	26.29	3.24	5.28	6.84	0.90	5000	5000	5000	0	13.98
106.	NOMLESAC	MAX EPIPOLAR	0.40	5.88	23.14	95.07	20.21	4.35	27.44	99.71	27.79	5.79	10.00	12.98	1.68	5000	5000	5000	0	13.97
107.	RANSAC	GEOM. EPIPOLAR	4.24	8.47	25.29	95.07	23.45	7.18	27.55	99.71	25.99	8.11	12.04	14.83	1.69	5000	5000	5000	0	13.59
108.	NOMLESAC	MAX EPIPOLAR	0.30	5.94	23.48	95.07	20.06	4.60	27.70	99.71	26.61	4.40	6.71	8.92	1.07	5000	5000	5000	0	13.89
109.	RANSAC	MAX EPIPOLAR	3.50	8.51	23.74	95.07	19.64	7.12	27.99	99.71	25.71	7.65	12.15	15.41	1.90	5000	5000	5000	0	13.49
110.	MSAC	SAMPSON	3.00	8.56	28.16	96.42	26.91	7.29	27.99	99.71	25.77	10.66	15.18	18.77	1.71	5000	5000	5000	0	13.73
111.	NOMSAC	MAX EPIPOLAR	0.70	6.52	23.55	95.07	20.08	6.74	28.20	99.71	28.15	14.37	20.09	23.75	2.15	5000	5000	5000	0	13.87
112.	MLESAC	SAMPSON	2.00	7.91	24.33	95.07	22.72	6.93	28.23	99.71	28.88	13.79	17.54	20.39	1.66	5000	5000	5000	0	13.73
113.	NOMSAC	GEOM. EPIPOLAR	0.71	6.67	23.53	95.07	20.07	5.38	28.28	99.71	28.12	13.67	18.98	22.36	2.12	5000	5000	5000	0	13.66
114.	MSAC	SAMPSON	3.50	8.43	25.07	95.07	22.82	6.99	28.75	99.71	28.71	12.40	16.42	19.70	1.65	5000	5000	5000	0	13.89
115.	MLESAC	SAMPSON	1.50	8.37	26.93	95.25	26.03	7.33	28.76	99.71	28.70	8.69	12.78	15.99	1.77	5000	5000	5000	0	13.65

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.	MSAC	MAX	EPIPOLAR	3.00	5.60	24.97	95.07	23.73	4.16	28.92	99.71	28.53	6.95	11.02	14.37	1.80	5000	5000	5000	0	13.58
117.	RANSAC	GEOM.	EPIPOLAR	3.54	6.20	25.01	95.07	23.65	4.24	28.94	99.71	28.55	6.95	10.71	13.44	1.62	5000	5000	5000	0	13.60
118.	RANSAC	SAMPSON		3.00	8.71	26.14	95.21	23.45	8.15	29.07	99.71	25.69	10.78	15.19	18.77	1.69	5000	5000	5000	0	13.99
119.	MSAC	SAMPSON		4.50	7.72	25.26	95.07	22.62	7.86	29.12	99.71	28.61	14.95	18.62	21.55	1.62	5000	5000	5000	0	13.47
120.	NORANSAC	MAX	EPIPOLAR	0.20	5.75	25.63	95.07	23.69	4.84	29.27	99.71	29.52	7.07	11.61	14.95	1.83	5000	5000	5000	0	13.84
121.	NORANSAC	SYM.	EPIPOLAR	0.20	5.90	25.68	95.07	23.69	4.21	29.28	99.71	29.46	8.81	12.94	16.22	1.74	5000	5000	5000	0	13.77
122.	RANSAC	MAX	EPIPOLAR	3.00	5.60	25.24	95.07	23.58	4.16	29.33	99.71	28.30	6.95	11.03	14.37	1.80	5000	5000	5000	0	13.36
123.	MSAC	GEOM.	EPIPOLAR	3.54	5.60	25.19	95.07	23.72	4.24	29.44	99.71	28.37	6.95	10.71	13.44	1.62	5000	5000	5000	0	13.30
124.	MSAC	SYM.	EPIPOLAR	3.00	5.85	25.29	95.07	23.66	4.34	29.51	99.71	29.47	8.34	12.19	15.18	1.67	5000	5000	5000	0	13.29
125.	MSAC	GEOM.	EPIPOLAR	4.24	5.86	25.29	95.07	23.67	4.35	29.63	99.71	29.39	8.11	12.02	14.83	1.70	5000	5000	5000	0	13.34
126.	RANSAC	SAMPSON		3.50	8.43	26.07	95.07	22.72	8.05	29.71	99.71	28.44	12.40	16.43	19.70	1.65	5000	5000	5000	0	13.97
127.	MSAC	MAX	EPIPOLAR	3.50	8.51	26.11	95.07	22.97	7.12	30.16	99.71	27.86	7.53	12.15	15.41	1.91	5000	5000	5000	0	13.66
128.	NORANSAC	MAX	EPIPOLAR	0.30	6.01	25.25	95.07	23.77	7.08	30.18	99.71	30.44	10.20	14.50	17.73	1.88	5000	5000	5000	0	13.86
129.	RANSAC	SYM.	EPIPOLAR	2.50	8.16	23.92	95.07	19.82	4.95	30.44	99.71	29.08	7.65	10.92	13.79	1.53	5000	5000	5000	0	13.28
130.	MSAC	SYM.	EPIPOLAR	2.50	8.16	23.92	95.07	19.82	4.95	30.44	99.71	29.08	7.65	10.92	13.79	1.53	5000	5000	5000	0	13.25
131.	MSAC	SAMPSON		2.50	8.65	26.57	95.25	23.65	5.79	30.70	99.71	28.85	9.97	13.73	16.34	1.52	5000	5000	5000	0	13.45
132.	RANSAC	SAMPSON		2.50	8.65	26.54	95.25	23.67	7.39	30.80	99.71	28.77	9.97	13.74	16.34	1.52	5000	5000	5000	0	14.26
133.	NOMSAC	SYM.	EPIPOLAR	0.60	6.70	26.23	95.07	23.49	5.82	31.11	99.71	30.82	14.37	20.36	23.87	2.18	5000	5000	5000	0	13.70
134.	NORANSAC	GEOM.	EPIPOLAR	0.28	5.65	26.26	95.07	23.72	4.74	31.24	99.71	30.79	8.11	12.73	15.99	1.77	5000	5000	5000	0	13.98
135.	MSAC	MAX	EPIPOLAR	2.00	5.78	24.73	95.07	19.92	5.00	32.21	99.71	28.30	5.10	8.54	11.01	1.54	5000	5000	5000	0	13.56
136.	RANSAC	MAX	EPIPOLAR	2.00	5.78	27.04	95.07	23.17	4.55	32.26	99.71	27.18	5.10	8.55	11.01	1.53	5000	5000	5000	0	13.45
137.	MSAC	SYM.	EPIPOLAR	2.00	6.27	25.71	95.07	23.39	4.90	32.41	99.71	30.66	6.03	9.41	11.82	1.44	5000	5000	5000	0	13.25
138.	RANSAC	GEOM.	EPIPOLAR	2.83	6.26	25.68	95.07	23.42	4.90	32.50	99.71	30.58	6.03	9.30	11.70	1.46	5000	5000	5000	0	13.40
139.	MSAC	GEOM.	EPIPOLAR	2.83	6.26	25.68	95.07	23.42	4.90	32.50	99.71	30.58	6.03	9.30	11.70	1.46	5000	5000	5000	0	13.27
140.	MSAC	MAX	EPIPOLAR	2.50	6.16	25.62	95.07	23.38	4.97	32.62	99.71	31.38	6.03	9.81	12.63	1.68	5000	5000	5000	0	13.50
141.	MSAC	SAMPSON		2.00	5.87	28.27	95.25	26.80	4.35	32.65	99.71	31.79	8.92	12.05	15.06	1.54	5000	5000	5000	0	13.56
142.	NOMSAC	MAX	EPIPOLAR	0.60	6.79	28.38	95.07	25.96	5.42	32.70	99.71	31.10	11.01	18.79	22.36	2.44	5000	5000	5000	0	14.03
143.	RANSAC	SYM.	EPIPOLAR	2.00	6.27	25.99	95.07	23.48	4.90	32.71	99.71	30.56	6.03	9.41	11.82	1.44	5000	5000	5000	0	13.33
144.	MLESAC	MAX	EPIPOLAR	1.00	5.82	26.12	95.07	22.03	5.15	32.72	99.71	29.37	3.24	5.24	6.60	0.81	5000	5000	5000	0	13.57
145.	RANSAC	MAX	EPIPOLAR	0.50	5.92	27.59	95.34	24.05	5.14	32.96	99.71	29.48	2.32	3.35	4.40	0.48	5000	5000	5000	0	13.74
146.	NOMLESAC	MAX	EPIPOLAR	0.20	5.99	26.36	95.07	21.89	4.81	33.15	99.71	29.10	2.43	3.87	4.98	0.71	5000	5000	5000	0	13.91
147.	RANSAC	SAMPSON		2.00	8.51	28.64	95.25	26.56	5.71	33.38	99.71	31.37	8.92	12.06	15.06	1.54	5000	5000	5000	0	13.40
148.	RANSAC	GEOM.	EPIPOLAR	2.12	5.79	25.50	95.07	22.99	4.96	33.41	99.71	31.00	4.75	7.61	10.08	1.25	5000	5000	5000	0	13.38
149.	MLESAC	SAMPSON		1.00	8.50	27.01	95.21	23.47	5.91	33.54	99.71	31.20	5.10	7.50	10.31	1.34	5000	5000	5000	0	13.86
150.	RANSAC	MAX	EPIPOLAR	2.50	6.16	27.99	95.07	26.28	4.97	34.31	99.71	32.79	6.14	9.83	12.63	1.66	5000	5000	5000	0	13.48
151.	MLESAC	GEOM.	EPIPOLAR	0.71	5.93	27.30	95.29	25.78	5.13	34.32	99.71	32.11	1.62	2.72	4.06	0.64	5000	5000	5000	0	13.96
152.	RANSAC	MAX	EPIPOLAR	1.50	5.82	27.54	95.07	23.31	4.87	34.33	99.71	31.00	4.52	6.98	9.39	1.11	5000	5000	5000	0	13.54
153.	RANSAC	SYM.	EPIPOLAR	1.50	5.79	26.40	95.07	22.80	4.96	34.55	99.71	30.62	4.87	7.73	10.20	1.26	5000	5000	5000	0	13.33
154.	NOMSAC	SYM.	EPIPOLAR	0.50	6.40	32.24	96.42	31.78	5.18	34.65	99.71	33.59	11.24	18.46	22.48	2.59	5000	5000	5000	0	13.66
155.	MSAC	MAX	EPIPOLAR	1.50	5.82	28.98	95.29	25.55	4.87	34.86	99.71	31.99	4.52	6.94	9.39	1.13	5000	5000	5000	0	13.50
156.	NOMSAC	MAX	EPIPOLAR	0.50	5.36	30.44	96.42	29.42	4.93	35.02	99.71	33.15	9.62	16.96	20.16	2.55	5000	5000	5000	0	14.12
157.	MLESAC	SYM.	EPIPOLAR	1.00	5.82	28.20	95.29	25.55	5.11	35.25	99.71	32.14	3.82	5.77	7.53	0.98	5000	5000	5000	0	13.89
158.	NOMSAC	GEOM.	EPIPOLAR	0.57	5.42	28.87	95.07	26.30	4.60	35.43	99.71	33.02	10.43	16.72	20.63	2.24	5000	5000	5000	0	13.71
159.	MSAC	MAX	EPIPOLAR	1.00	5.82	30.37	95.34	28.06	5.15	35.52	99.71	31.52	3.36	5.15	6.60	0.89	5000	5000	5000	0	13.45
160.	RANSAC	SYM.	EPIPOLAR	0.50	5.91	33.09	95.34	29.90	5.23	36.28	99.71	31.12	2.43	3.71	4.75	0.57	5000	5000	5000	0	13.76
161.	RANSAC	GEOM.	EPIPOLAR	0.71	5.90	33.09	95.34	29.90	5.23	36.28	99.71	31.14	2.43	3.65	4.75	0.56	5000	5000	5000	0	13.92
162.	MSAC	GEOM.	EPIPOLAR	2.12	5.79	29.41	95.29	27.91	4.96	36.60	99.71	34.05	4.75	7.59	10.08	1.26	5000	5000	5000	0	13.44
163.	MLESAC	MAX	EPIPOLAR	0.50	5.97	28.76	95.34	26.00	5.13	36.95	99.71	32.93	1.51	2.21	3.36	0.42	5000	5000	5000	0	13.52
164.	MSAC	SAMPSON		1.50	6.19	31.17	99.71	29.70	4.95	37.47	99.71	35.41	7.07	10.04	12.63	1.40	5000	5000	5000	0	13.41

Sequence: pen02

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)
165.	RANSAC	SAMPSON	1.50	8.20	31.19	99.71	29.37	4.95	38.10	99.71	35.62	7.07	10.08	12.63	1.38	5000	5000	5000	0	13.59
166.	RANSAC	SAMPSON	1.00	5.80	29.44	95.29	25.95	4.86	38.78	99.71	34.94	5.10	7.68	10.31	1.21	5000	5000	5000	0	13.90
167.	RANSAC	GEOM. EPIPOLAR	1.41	5.82	29.09	95.29	26.39	5.11	39.59	99.71	35.86	3.82	5.76	7.53	0.88	5000	5000	5000	0	13.62
168.	RANSAC	MAX EPIPOLAR	1.00	5.82	31.06	95.29	27.42	5.15	40.10	99.71	34.37	3.59	5.30	6.60	0.74	5000	5000	5000	0	13.55
169.	MSAC	SYM. EPIPOLAR	1.50	5.79	32.85	95.34	29.96	4.96	40.46	99.71	35.21	4.87	7.70	10.20	1.27	5000	5000	5000	0	13.34
170.	MSAC	SYM. EPIPOLAR	1.00	5.82	35.16	95.34	32.01	5.11	40.63	99.71	34.97	3.71	5.74	7.53	0.96	5000	5000	5000	0	13.52
171.	NOMLESAC	SYM. EPIPOLAR	0.20	5.94	33.00	95.34	30.04	4.76	40.86	99.71	35.28	2.78	4.40	5.56	0.78	5000	5000	5000	0	13.85
172.	MLESAC	SAMPSON	0.50	5.92	37.82	95.34	33.59	5.13	41.46	99.71	34.68	1.74	3.01	4.06	0.50	5000	5000	5000	0	13.77
173.	RANSAC	SYM. EPIPOLAR	1.00	5.82	31.31	95.29	29.10	5.11	42.30	99.71	37.26	4.06	5.88	7.53	0.87	5000	5000	5000	0	13.63
174.	MSAC	GEOM. EPIPOLAR	1.41	5.82	35.46	95.34	31.95	5.11	42.75	99.71	36.62	3.71	5.70	7.53	0.89	5000	5000	5000	0	13.69
175.	MLESAC	SYM. EPIPOLAR	0.50	5.94	38.90	95.34	33.56	5.14	43.12	99.71	35.32	1.85	2.33	3.36	0.38	5000	5000	5000	0	13.83
176.	MSAC	SAMPSON	1.00	5.80	34.38	95.29	29.49	4.86	43.43	99.71	36.40	4.87	7.61	10.31	1.31	5000	5000	5000	0	13.69
177.	MSAC	GEOM. EPIPOLAR	0.71	9.05	36.34	95.88	31.96	5.84	43.69	99.71	35.64	1.74	3.31	4.75	0.77	5000	5000	5000	0	13.60
178.	RANSAC	SAMPSON	0.50	5.83	39.55	95.34	33.59	5.17	44.88	99.71	36.88	3.48	4.84	6.37	0.74	5000	5000	5000	0	13.82
179.	NOMSAC	SYM. EPIPOLAR	0.40	5.37	46.00	96.42	35.33	4.79	50.30	99.71	36.34	7.18	14.59	20.74	3.41	5000	5000	5000	0	13.68
180.	NOMSAC	MAX EPIPOLAR	0.40	7.58	46.50	96.42	33.75	4.46	52.39	99.71	35.72	6.60	13.25	18.89	3.34	5000	5000	5000	0	14.04
181.	NOMSAC	GEOM. EPIPOLAR	0.42	7.58	51.03	95.50	33.91	4.30	54.07	99.71	33.82	7.76	12.47	18.08	2.88	5000	5000	5000	0	13.60
182.	MSAC	MAX EPIPOLAR	0.50	10.52	50.79	95.91	32.95	8.33	57.76	99.71	34.93	1.39	2.14	4.17	0.59	5000	5000	5000	0	13.38
183.	MSAC	SAMPSON	0.50	9.05	52.31	96.09	32.61	5.81	60.31	99.71	34.39	1.97	3.13	6.37	1.14	5000	5000	5000	0	13.62
184.	MSAC	SYM. EPIPOLAR	0.50	10.52	56.14	95.91	32.53	8.33	62.00	99.71	34.82	1.62	2.42	4.75	0.77	5000	5000	5000	0	13.51
185.	NOMSAC	GEOM. EPIPOLAR	0.28	25.78	81.89	99.59	15.19	20.59	84.52	99.71	18.05	1.16	2.00	6.84	1.07	5000	5000	5000	0	13.61
186.	NOMSAC	MAX EPIPOLAR	0.30	33.47	81.93	99.59	17.74	39.15	84.96	99.71	17.37	1.27	2.08	6.37	0.96	5000	5000	5000	0	13.93
187.	NOMSAC	SYM. EPIPOLAR	0.30	55.68	80.27	99.36	14.62	42.13	84.96	99.71	14.11	1.16	2.20	4.17	0.64	5000	5000	5000	0	13.65
188.	NOMSAC	SYM. EPIPOLAR	0.20	50.44	81.85	96.42	12.18	58.02	85.97	99.71	13.58	0.93	1.26	1.74	0.22	5000	5000	5000	0	13.73
189.	NOMSAC	MAX EPIPOLAR	0.20	35.58	79.24	99.59	17.62	35.81	86.72	99.71	13.87	1.04	1.32	2.09	0.27	5000	5000	5000	0	13.83