

```
1 Data loading: 0%
2 Data loading: 100%
3 Depth map shape: (960, 1280)
4 Depth value of the very bottom-right pixel of depth map 0 is 1.862
5
6 K - matrix:
7 [[640. 0. 640.]
8 [ 0. 480. 480.]
9 [ 0. 0. 1.]]
10
11 Number of frames in the dataset: 52
12
13 ***** ORB *****
14 Number of features detected in frame 0: 1500
15 Coordinates of the first keypoint in frame 0: (1056.0, 294.0)
16
17 Length of images array: 52
18
19 Number of features matched in frames 0 and 1: 1500
20 Number of features matched in frames 0 and 1 after filtering by distance: 174
21 Number of features matched in frames 0 and 1: 1500
22 Number of filtered matches in frames 0 and 1: 174
23
24 Estimated rotation:
25 [[ 0.99929695 -0.03740129 -0.00259685]
26 [ 0.03721041 0.99789055 -0.05319611]
27 [ 0.00458098 0.05306208 0.99858071]]
28 Estimated translation:
29 [[-0.06652644]
30 [-0.47521098]
31 [ 0.60569748]]
32
33 Camera location in point 1 is:
34 [[ 0.10632095]
35 [-0.08621614]
36 [ 0.99058701]]
37
38 Length of trajectory: 52
39
40 Trajectory X:
41 [[ 0. -0.04086892 -0.19908218 0.14547298 0.26743114
42 0.15087827 0.48309854 0.47841469 0.09011999 -0.14178341
43 -0.02715876 -0.35868559 -0.54463019 -0.90052796 -1.19519721
44 -1.5855058 -1.89650145 -2.35021295 -2.68935891 -2.91597105
45 -3.31321165 -3.31275818 -3.9116721 -3.1532102 -3.6774891
46 -4.04155669 -4.66158819 -5.23579874 -5.82669461 -6.22419525
47 -6.77681892 -7.36045103 -8.08442315 -9.08373728 -10.02226071
48 -10.88339816 -11.81880872 -12.79417138 -13.73203458 -14.72773315
49 -15.6786464 -16.65834749 -17.63452098 -18.62929118 -19.56960074
50 -20.52408279 -21.52171594 -22.50280946 -23.47657886 -24.36620352
51 -25.11093728 -25.87087816]]
52 Trajectory Y:
53 [[0. 0.18271199 0.30338317 0.32693381 0.32704296 0.41541432
54 0.44297789 0.49858266 0.50129031 0.62131988 0.53471479 0.55128762
55 0.62671537 0.63722557 0.62510222 0.63378901 0.67858418 0.64898272
56 0.63696944 0.68925665 0.69479871 0.75492495 0.80094754 0.74612859
57 0.75290284 0.66581967 0.62383825 0.61683009 0.62073271 0.67727834
58 0.77961101 0.86407061 0.92726355 0.93589598 1.20914951 1.29881328
59 1.3584548 1.42947279 1.40658045 1.44796821 1.45976296 1.65932302
60 1.62395886 1.70526972 1.81763824 1.77953097 1.81479155 1.93371882
61 1.8506816 1.82238714 1.84937031 1.82929165]]
62 Trajectory Z:
63 [[ 0. 0.98231668 1.96232027 1.02384964 2.01638488 3.00563001
64 3.94842901 4.94687088 5.86840216 4.90309717 5.89272374 6.83602396
65 7.81568475 8.75015054 9.70567294 10.62631605 11.57567115 12.466328
66 13.40698506 14.37956564 15.29726341 16.29545408 17.09494394 16.4455362
67 17.29705587 18.22434833 19.00780126 19.82647894 20.63321733 21.54907531
68 22.37619991 23.18381376 23.87074245 23.90675287 24.11771797 24.61812051
69 24.96661725 25.17548115 25.52173041 25.60462438 25.9138571 25.89484238
70 26.10893275 26.04712018 26.36835415 26.66417816 26.72321021 26.87589231
71 27.08773653 27.54355161 28.21036757 28.86004957]]
72
73 Done!!
```