0 ,0 , 1, 1

Please enter Sift features number: 100

Duration init reconstruct: 10140

Keeping 43 / 50

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2908

BA Initial error=1.02659e+14. Final error=14654.3

Reconstruction time After BA(ms): 3498

500 -

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

0

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

142/217 = 65.4378% are in front of camera

Test triangulate out: 2

75/217 = 34.5622% are in front of camera

Test triangulate out: 3

24/217 = 11.0599% are in front of camera

Test triangulate out: 4

193/217 = 88.9401% are in front of camera

Test triangulate out: 4 - proper

Duration init reconstruct: 4551

Keeping 185 / 217

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2939

BA Initial error=152280. Final error=10328.5

Reconstruction time After BA(ms): 5744

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

0

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

396/398 = 99.4975% are in front of camera

Duration init reconstruct: 1679

Keeping 340 / 398

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 3155

BA Initial error=164688. Final error=24629.4

Reconstruction time After BA(ms): 7686

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

0

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

989/1286 = 76.9051% are in front of camera

Duration init reconstruct: 5246

Keeping 1177 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 4599

BA Initial error=148797. Final error=40616.6

Reconstruction time After BA(ms): 21607

Please enter Sift features number: 100

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

5

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

3

Remove Pose Outliers(type 1 for yes, 0 for no)

0

Use Bundle Adjustment(type 1 for yes, 0 for no)

0

4

Duration init reconstruct: 6

Keeping 0 / 0

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2253

LAPACK error: the leading minor of order 32 i

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

5

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

3

Remove Pose Outliers(type 1 for yes, 0 for no)

0

Use Bundle Adjustment(type 1 for yes, 0 for no)

0

4

Duration init reconstruct: 7

Keeping 0 / 0

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2407

Reconstruction time After BA(ms): 2407

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

5

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

3

Remove Pose Outliers(type 1 for yes, 0 for no)

0

Use Bundle Adjustment(type 1 for yes, 0 for no)

0

4

Duration init reconstruct: 6

Keeping 0 / 0

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2584

Reconstruction time After BA(ms): 2584

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

5

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

3

Remove Pose Outliers(type 1 for yes, 0 for no)

0

Use Bundle Adjustment(type 1 for yes, 0 for no)

0

4

Duration init reconstruct: 6

Keeping 0 / 0

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 3750

Reconstruction time After BA(ms): 3750

Please enter Sift features number: 100

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

46/50 = 92% are in front of camera

Duration init reconstruct: 739

Keeping 27 / 50

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2571

BA Initial error=78647.1. Final error=5451.97

Reconstruction time After BA(ms): 2767

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

202/217 = 93.0876% are in front of camera

Duration init reconstruct: 1745

Keeping 92 / 217

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2683

BA Initial error=64238.7. Final error=3093.86

Reconstruction time After BA(ms): 3751

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

20/398 = 5.02513% are in front of camera

Test triangulate out: 2

378/398 = 94.9749% are in front of camera

Duration init reconstruct: 3767

Keeping 163 / 398

Traingulate!

Traingulate!

estimated camera movement is too big, skip this camera

estimated camera movement is too big, skip this camera

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2873

BA Initial error=105356. Final error=4737.45

Reconstruction time After BA(ms): 4771

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

0

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

55/1286 = 4.27683% are in front of camera

Test triangulate out: 2

1231/1286 = 95.7232% are in front of camera

Duration init reconstruct: 13015

Keeping 530 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 4212

BA Initial error=3.93056e+23. Final error=2.33082e+06

Reconstruction time After BA(ms): 31007

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

55/1286 = 4.27683% are in front of camera

Test triangulate out: 2

1231/1286 = 95.7232% are in front of camera

Duration init reconstruct: 17550

Keeping 570 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 3840

BA Initial error=112505. Final error=3115.89

Reconstruction time After BA(ms): 8085

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 100

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

4/50 = 8% are in front of camera

Test triangulate out: 2

46/50 = 92% are in front of camera

Duration init reconstruct: 917

Keeping 14 / 50

Traingulate!

Traingulate!

not enough inliers to consider a good pose (0/10)

Traingulate!

couldn't find [enough] corresponding cloud points... (only 6)

Bundle Adjustment

Reconstruction time Before BA(ms): 2575

BA Initial error=223573. Final error=646.981

Reconstruction time After BA(ms): 2708

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

202/217 = 93.0876% are in front of camera

Duration init reconstruct: 1707

Keeping 92 / 217

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2361

BA Initial error=72695.9. Final error=4230.99

Reconstruction time After BA(ms): 3215

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

20/398 = 5.02513% are in front of camera

Test triangulate out: 2

378/398 = 94.9749% are in front of camera

Duration init reconstruct: 10495

Keeping 158 / 398

Traingulate!

Traingulate!

estimated camera movement is too big, skip this camera

Traingulate!

estimated camera movement is too big, skip this camera

Bundle Adjustment

Reconstruction time Before BA(ms): 2676

BA Initial error=109715. Final error=5864.99

Reconstruction time After BA(ms): 4259

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

4

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

1Use Bundle Adjustment(type 1 for yes, 0 for no)

4

55/1286 = 4.27683% are in front of camera

Test triangulate out: 2

1231/1286 = 95.7232% are in front of camera

Duration init reconstruct: 11736

Keeping 563 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 4205

BA Initial error=111658. Final error=2468.12

Reconstruction time After BA(ms): 7215

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 100

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

40/50 = 80% are in front of camera

Duration init reconstruct: 820

Keeping 43 / 50

Traingulate!

Traingulate!

estimated camera movement is too big, skip this camera

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2697

BA Initial error=305685. Final error=29949.1

Reconstruction time After BA(ms): 3214

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

194/217 = 89.4009% are in front of camera

Duration init reconstruct: 1162

Keeping 182 / 217

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2907

BA Initial error=142078. Final error=13238.7

Reconstruction time After BA(ms): 5158

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

350/398 = 87.9397% are in front of camera

Duration init reconstruct: 2403

Keeping 339 / 398

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 3070

BA Initial error=2.05714e+06. Final error=61927.4

Reconstruction time After BA(ms): 7170

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

0

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

1160/1286 = 90.2022% are in front of camera

Duration init reconstruct: 4644

Keeping 1129 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 4254

BA Initial error=1.31106e+07. Final error=50002

Reconstruction time After BA(ms): 17927

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 100

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

40/50 = 80% are in front of camera

Duration init reconstruct: 590

Keeping 43 / 50

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2732

BA Initial error=100592. Final error=26430.6

Reconstruction time After BA(ms): 3172

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 500

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

194/217 = 89.4009% are in front of camera

Duration init reconstruct: 1148

Keeping 182 / 217

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2904

BA Initial error=153537. Final error=12073.8

Reconstruction time After BA(ms): 5173

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 1000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

1Remove Pose Outliers(type 1 for yes, 0 for no)

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

350/398 = 87.9397% are in front of camera

Duration init reconstruct: 1723

Keeping 339 / 398

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 2936

BA Initial error=252450. Final error=52061.6

Reconstruction time After BA(ms): 7084

/Users/krzysztofwrobel/Library/Caches/clion10/cmake/generated/87ff0e5f/87ff0e5f/Debug/test\_Reconstruct

Please enter Sift features number: 5000

Please choose Init Reconstruct Method:

0 - Fundamental(8-point),

1 - Fundamental Rotation Enhanced(8 point),

2 - Essential(5-point),

3 - Essential Rotation Enhanced(5-point),

4 - Alternative 3-point translation,

5 - Use known rotation and translation

1

Please choose Pose Estimation Method:

0 - Standard OpenCv Pose Estimation,

1 - Rotation enhanced Pose Estimation,

2 - Rotation and Translation enhanced Pose Estimation,

3 - Use know rotations

2

Remove Pose Outliers(type 1 for yes, 0 for no)

1

Use Bundle Adjustment(type 1 for yes, 0 for no)

1

4

1160/1286 = 90.2022% are in front of camera

Duration init reconstruct: 5497

Keeping 1129 / 1286

Traingulate!

Traingulate!

Traingulate!

Bundle Adjustment

Reconstruction time Before BA(ms): 4312

BA Initial error=6.3051e+08. Final error=182625

Reconstruction time After BA(ms): 16128