

TABLE I: Start-to-End Drift Error for Different Test Sequences

Test Sequences	Displacement (meters)	Rotation (degrees)
degenerate_seq_00 (r1)	0.037	0.409
degenerate_seq_01 (r2)	0.117	0.536
degenerate_seq_02 (m0)	0.064	1.131
LiDAR_Degenerate (f1)	8.815	1.873
Visual_Challenge (f2)	0.252	0.752
hku2 (f0)	0.072	1.584
hku_campus_seq_00 (r0)	0.039	4.380
hkust_campus_00 (m2)	4.567	2.105

TABLE II: Time costs of different components.

Component	Time Cost (ms)
Odometry per-frame	9.42
Keyframe selection per-frame	0.098
Gaussian rendering per-frame	0.93
Pyramids processing per-frame	2.2
Optimization per-iteration	23.0