QCNN + LiDAR + IMU Odometry Summary

3D Trajectories
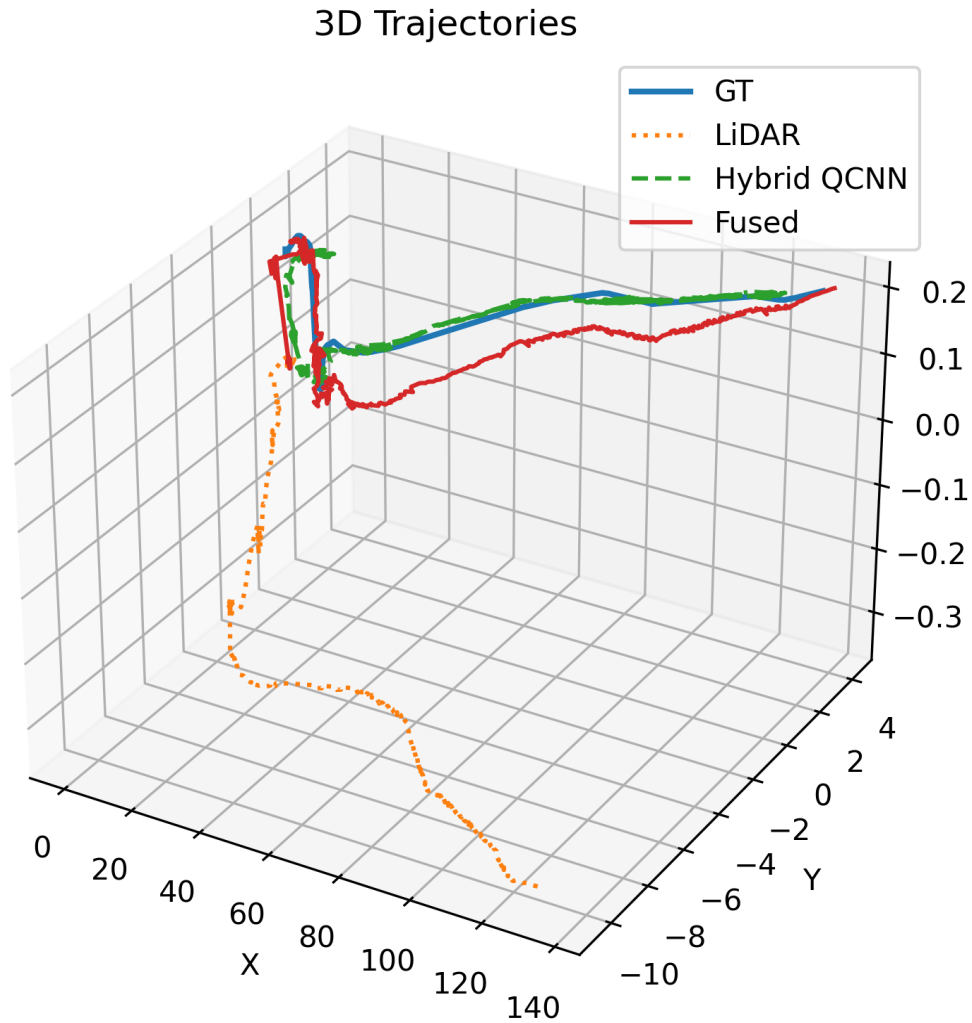

=== RMSE (m) ===
Hybrid QCNN : 4.711
LiDAR : 11.322
Fused : 0.422

=== Improvement (%) ===
QCNN over LiDAR : 58.39%
Fused over LiDAR: 96.27%
Fused over QCNN : 91.04%

Description:
• **QCNN**: Quantum-assisted CNN using camera frames only.
• **LiDAR**: Classical ICP / LiDAR-only odometry using single LiDAR points.
• **Fused**: QCNN + LiDAR + IMU fusion pipeline combining vision, LiDAR geometry, and inertial cues.