

Peer Review

Review of: "AirIO: Learning Inertial Odometry with Enhanced IMU Feature Observability — air-io.github.io"

Yiming Li¹

1. National University of Defense Technology, China

This work is novel, solid, and inspiring. One of their interesting findings is that body-frame representation is more expressive and observable. It suggests that the gravitation expressed in the body frame contains the unseen information for the inertial odometry. It would be better if more insights into this phenomenon could be provided. One of the reasons might be the ‘spectacular’ error of the IMU relating to each axis in the body frame where the IMU is equipped. By simply subtracting the gravitation, the original IMU-observed information may be corrupted.

Declarations

Potential competing interests: No potential competing interests to declare.