EKF Localization and Fusion

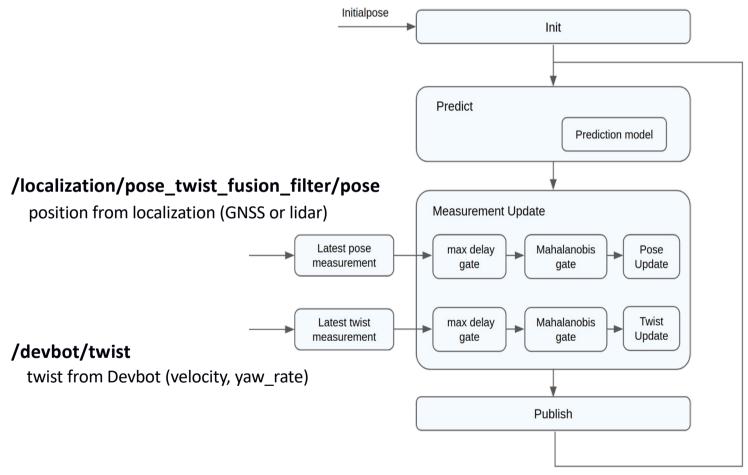
Localization / Roborace / Croix-en-Ternois



https://github.com/virtual-vehicle/aa274 autoware ws



EKF Localizer



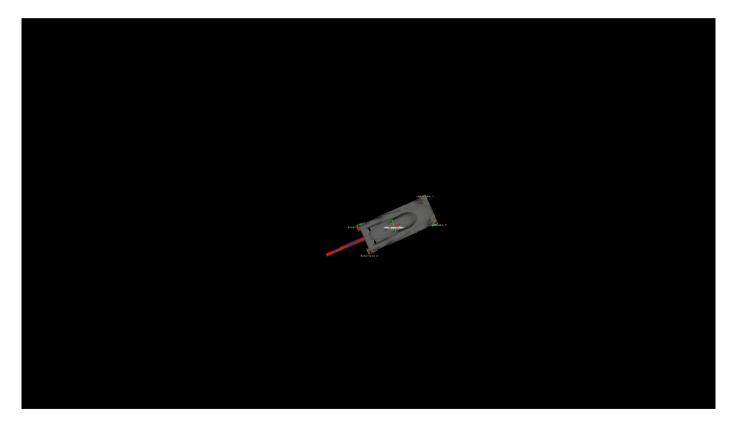
/localization/pose_estimator/pose

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Demo Lecture Multi-Sensor Fusion

Localization with Odometry

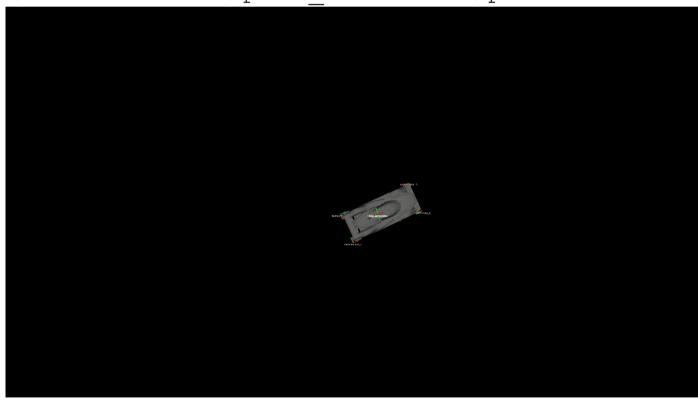
EKF input: /devbot/twist (velocity, yaw_rate)



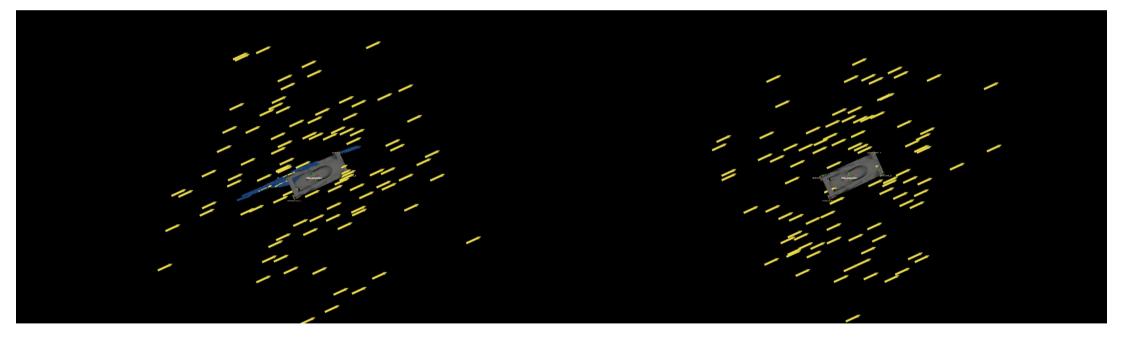
Localization with Odometry and GPS

EKF input: /devbot/twist

/localization/pose estimator/pose



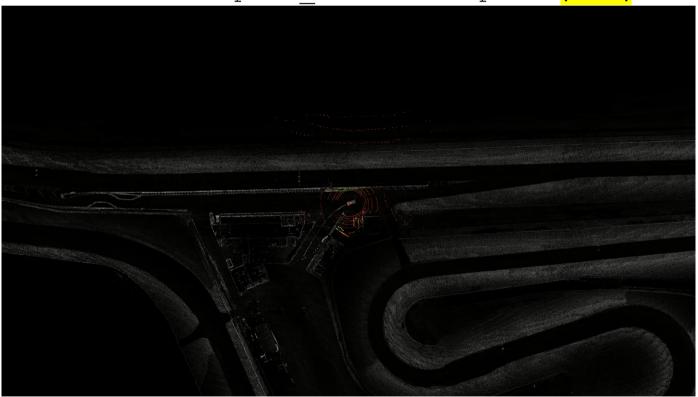
Localization with Odometry and GPS



Localization with Odometry and Lidar

EKF input: /devbot/twist

/localization/pose_estimator/pose (Lidar)



Thanks for your attention! Questions?

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https://github.com/virtual-vehicle/aa274_autoware_ws