

Quality Assurance Report

KalmanFilter.ipynb

Iteration - 1

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Review requested by: Shreya JVS

Reviewer: Adhyyan Mansukhani

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Permanent Links:

1. <https://github.com/Student-Satellite-IITB/RVD/blob/2441afb4db69e68ae72b8de026017b9002ca94ff/Estimation/Kalman%20Filter%20Learning/KalmanFilter.ipynb>

QA suggestions:

1. convert the .ipynb file to a .py file as well
2. constants such as m_a , m_b , v_U should be capitalised
3. Include a plot of error in prediction to showcase the working of the algorithms
4. the suffix $_m$ is for measured quantities so I think a different name should be given when you are using variables to define the standard deviation of the measurement, like in $SIGMA_POS_M$, $SIGMA_VEL_M$, $SIGMA_W_BIB_M$

Implementation:

1. ...
- 2.
- 3.

Post-QA Permanent Links:

- 1.
- 2.

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