10. Assignment – Control with Look-ahead Point and GPS

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https://github.com/frimuell/catkin_ws_user/blob/master/tasks_wise1819/ub10/

Exercise 1 – Closest Point with Prediction

Lane 1 Point (3,2): (3.5, 0.78) Lane 2 Point (1.1): (0.86, 0.86)

Code:

https://github.com/frimuell/catkin ws user/blob/master/tasks wise1819/ub10/drive on line with loc.py

Exercise 2 – Follow lane with ceiling camera GPS

Plot:

https://github.com/frimuell/catkin ws user/blob/master/tasks wise1819/ub10/RO-10-Mueller-Mueller-Casares-Lemming%20Ex%202.jpeg

Video:

https://github.com/frimuell/catkin_ws_user/blob/master/tasks_wise1819/ub10/RO-10-Mueller-Mueller-Casares-Lemming%20Ex%202.mp4