WEEK 6

This last week's material is just a summation and a guide for further learning ahead. This week won't include any assignments or tasks.

CONTROL THEORY

Before proceeding further with more and more complex systems, it will be beneficial to increase your understanding of Control Systems and some advanced concepts in it.

- Control bootcamp by Steve Brunton
- Reading Material for LQR and MPC controllers
- Understanding PID controller
- Control Systems in Practice
- State Space modelling used for more high level controllers and MIMO systems
- Some advance concepts about Robust Control
- Also do go through some playlists by Brain Douglas for more detailed explanations

These resources are not in any particular order, since here the objective is for you to learn and understand this broad field of advanced controllers in depth.

MATLAB ROBOTICS

Some resources and tutorials for exploring more robotics orientated applications in MATLAB

- Robotics and Autonomous Systems - MATLAB & Simulink
- Pick-and-Place Workflow Using Stateflow for MATLAB - MATLAB & Simulink
- Pick-and-Place Workflow Using RRT Planner and Stateflow for MATLAB - MATLAB & Simulink

You are encouraged to explore further in the field and apply your learnt concepts to various kinds of projects.

CONTACT US

Official Website: https://erc-bpgc.github.io//

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