

Integration of data-driven approaches into classical control techniques

Data-driven methods in control systems have garnered significant attention, leveraging historical data to analyze system dynamics, make predictions, and optimize control strategies. In contrast, classical control techniques rely on mathematical models and equations to ensure stability and safety within control systems.

Objectives:

- Using Reinforcement Learning as a type of data-driven methods for parameter estimation.
- Combine the benefits of Reinforcement Learning with the benefits of classical model-based control methods.
- Ensure stability and safety when incorporating Reinforcement Learning and classical methods.

