

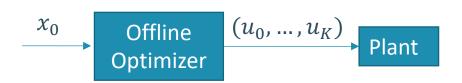
OCP/MPC Workshop 2024 Nonlinear Model Predictive Control

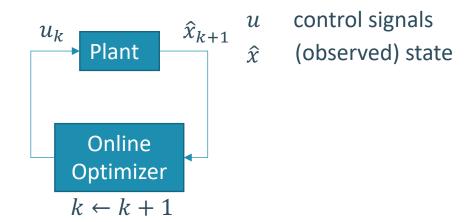


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Model Predictive Control

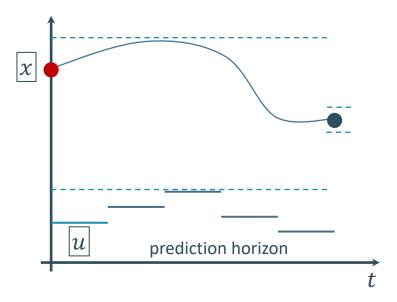
• Basic idea

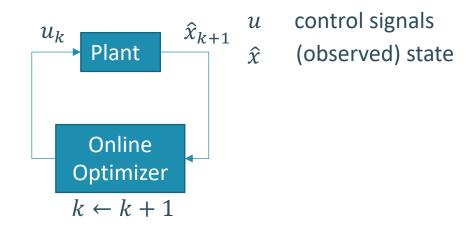




Model Predictive Control

Basic idea





- recursive feasibility
 - suitable terminal constraints, safety margins, soft constraints (penalty terms)
- coping with computational complexity of MPC
 - warm starting, real-time iterations, feasible optimization, ASAP MPC