

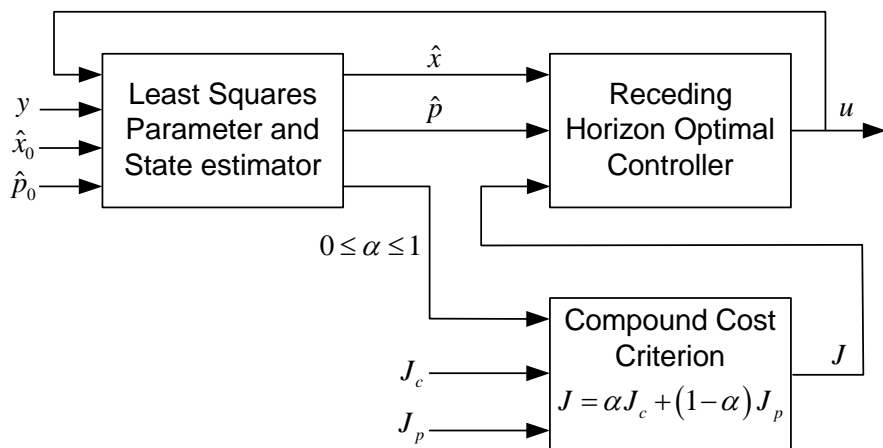


Appropriate Control System Design Methodologies

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Properties of the Control Problem:	Essentially deterministic	Dominated by Caution		Dominated by Learning
Properties of the Model:	Highly Accurate Model	Inaccurate Model that can hardly be improved by identification		Inaccurate Model that can be improved by identification
Additional Properties:	Uncertainties represented by additive white noise	Complete State Information	Incomplete State Information	
Appropriate control methodology:	Optimal Control and LQG compensation	Model Predictive / Receding Horizon Optimal Control	Robust Control	Active Adaptive Control

The Proposed Active Adaptive Controller



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