Adaptive Backstepping Control of Uncertain Systems with Actuator Failures, Subsystem Interactions, and Nonsmooth Nonlinearities



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In practice, actuators often undergo failures and various factors influence its effectiveness. This book information a series of brand-new methodologies of designing and examining adaptive backstepping control systems involving treatment on actuator failures, subsystem interactions and nonsmooth non-linearities. Also due to the increasing complexity of large-scale systems, subsystems tend to be interconnected, whereas the interactions between any two subsystems are hard to deal with. Moreover, it discusses some interesting open up issues in adaptive failing lodging, decentralized adaptive control and distributed adaptive coordinated control.



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