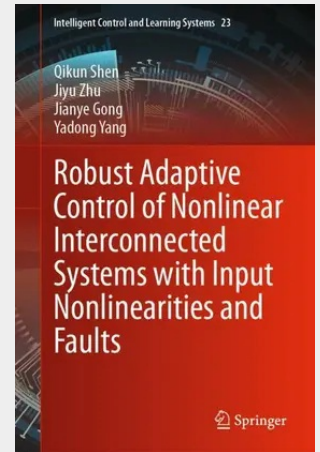


Robust Adaptive Control of Nonlinear Interconnected Systems with Input Nonlinearities and Faults

This book provides recent theoretical results and applications of the fault-tolerant control for the nonlinear interconnected systems with input nonlinearities. Combining adaptive control technique and fuzzy logic systems with other control approaches or techniques, it investigates the fault-tolerant control problem of the nonlinear interconnected systems, and constructs fault-tolerant control schemes. It intends to provide the readers a good understanding on adaptive fault-tolerant control of the nonlinear interconnected systems with input nonlinearities. This book can serve as a reference for the main research issues and results on nonlinear interconnected systems with input nonlinearities for researchers devoting to various areas of fault-tolerant control theory, as well as a material for graduate and undergraduate students interested in nonlinear system control, especially fault-tolerant control, and their applications. Some prerequisites for reading this book include nonlinear system theory, knowledge and theory related to algebraic geometry, and so on.

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