

Nonlinear Control Systems



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Provides complete coverage of both the Lyapunov and Input-Output stability theories, in a readable, concise manner.

- * Supplies an introduction to the popular backstepping approach to nonlinear control design
- * Gives a thorough discussion of the concept of input-to-state stability
- * Includes a discussion of the fundamentals of feedback linearization and related results.
- * Details complete coverage of the fundamentals of dissipative system's theory and its application in the so-called L2gain control problem, for the first time in an introductory level textbook.
- * Contains a thorough discussion of nonlinear observers, a very important problem, not commonly encountered in textbooks at this level.

*An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

作者介绍:

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