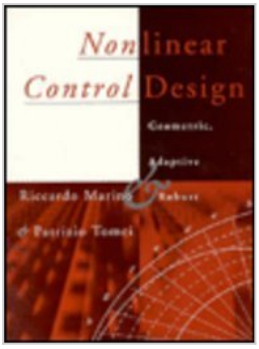

Nonlinear Control Design: Geometric, Adaptive and Robust

By Riccardo Marino

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This text presents a self-contained introduction to nonlinear feedback control design for continuous time, finite-dimensional uncertain systems. It deals with nonlinear systems affected by uncertainties such as unknown constant parameters, timevarying disturbances and uncertain nonlinearities. Both state feedback and output feedback design are addressed.

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Editorial Review

From the Publisher
Presents a self-contained introduction to nonlinear feedback control design for continuous time, finite-dimensional, uncertain systems. Control algorithms are applied to significant physical control problems from electrical motor drives, robotics, aerospace, power systems and are illustrated through worked examples.

From the Back Cover
KEY BENEFITS:Presents a self -contained introduction to nonlinear feedback control design for continuous time, finite-dimensional, uncertain systems. Control algorithms are applied to significant physical control problems from electrical motor drives, robotics, aerospace, power systems and are illustrated through worked examples. Contains 100 proposed exercises, 75 worked exercises to illustrate the control design and 12 physical examples worked throughout the book. Control engineers dealing wih nonlinear control problems. Graduate students of Control Engineering in departments of Electrical Engineering. 6

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