

1. Record Nr.	UNINA9910789484203321
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Titolo	Nonlinear H [infinity]-control, Hamiltonian systems and Hamilton-Jacobi equations / / M.D.S. Aliyu
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2011
ISBN	1-315-21732-5 1-351-83321-9 1-138-07275-3 1-4398-5485-8
Edizione	[1st edition]
Descrizione fisica	1 online resource (402 p.)
Disciplina	629.8/36
Soggetti	Hamiltonian systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	On t.p. "[infinity]" appears as the infinity symbol.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Basics of differential games -- Theory of dissipative systems -- Hamiltonian mechanics and Hamilton-Jacobi theory -- State-feedback nonlinear H [infinity]-control for continuous-time systems -- Output-feedback nonlinear H [infinity]-control for continuous-time systems -- Discrete-time nonlinear H [infinity]-control -- Nonlinear H [infinity]-filtering -- Singular nonlinear H [infinity]-control and H [infinity]-control for singularly-perturbed nonlinear systems -- H [infinity]-filtering for singularly-perturbed nonlinear systems -- Mixed H2/H [infinity] nonlinear control -- Mixed H2/H [infinity] nonlinear filtering -- Solving the Hamilton-Jacobi equation.
Sommario/riassunto	A comprehensive overview of nonlinear H8 control theory for both continuous-time and discrete-time systems, Nonlinear H8-Control, Hamiltonian Systems and Hamilton-Jacobi Equations covers topics as diverse as singular nonlinear H8-control, nonlinear H8 -filtering, mixed H2/ H8-nonlinear control and filtering, nonlinear H8-almost-disturbance-decoupling, and algorithms for solving the ubiquitous Ham