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| Nota di contenuto | Nonlinear elliptic boundary value problems by Topological degree On some class of quasilinear elliptic systems with weak monotonicity A sub-supersolutions method for a class of weighted (p(:);q(:)) Laplacian systems Boundary Regional Controllability of Linear Boolean Cellular Automata using Markov chain Fuzzy solutions for impulsive evolution equations Regional strong stabilization and robustness optimal control of semilinear systems Solving generalized fractional Schrodinger's equation by mean generalized fixed point Relaxed controllability for parabolic linear systems using RHUM approach A New Mathematical Model for the Efficiency Calculation Minimum energy control of fractional linear systems using Caputo–Fabrizio derivative Parametric identification of the dynamics of inter-sectoral balance: modelling and forecasting Ekeland's variational principle for the fractional p(x)-Laplacian operator Observer-based tracking control design for a class of nonlinear discrete-time systems On the output stabilization for a class of infinite dimensional bilinear systems Bilinear boundary control problem of an output of parabolic systems Optimal Control of a Parabolic Trough Receiver Distributed Model Strong and exponential stabilization for a class of second order semilinear systems On the |

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| | fractional output stabilization for a class of infinite dimensional linear systems Regional boundary observability with constraints on the state of semilinear parabolic systems. |
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| Sommario/riassunto | This book describes recent developments in a wide range of areas, including the modeling, analysis and control of dynamical systems, and explores related applications. The book provided a forum where researchers have shared their ideas, results on theory, and experiments in application problems. The current literature devoted to dynamical systems is quite large, and the authors' choice for the considered topics was motivated by the following considerations. Firstly, the mathematical jargon for systems theory remains quite complex and the authors feel strongly that they have to maintain connections between the people of this research field. Secondly, dynamical systems cover a wider range of applications, including engineering, life sciences and environment. The authors consider that the book is an important contribution to the state of the art in the fuzzy and dynamical systems areas. |