1. Record Nr. UNINA9910455859503321

Autore	Leung Anthony W. <1946->
Titolo	Nonlinear systems of partial differential equations [[electronic resource]] : applications to life and physical sciences / / Anthony W. Leung
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2009
ISBN	1-282-75835-7 9786612758355 981-4277-70-3
Descrizione fisica	1 online resource (xii, 532 p.) : ill
Disciplina	515.35
Soggetti	Differential equations, Partial Differential equations, Nonlinear Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Positive solutions for systems of two equations -- Positive solutions for large systems of equations -- Optimal control for nonlinear systems of partial differential equations -- Persistence, upper and lower estimates, blowup, cross-diffusion and degeneracy -- Traveling waves, systems of waves, invariant manifolds, fluids and plasma -- Appendices.
Sommario/riassunto	The book presents the theory of diffusion-reaction equations starting from the Volterra-Lotka systems developed in the eighties for Dirichlet boundary conditions. It uses the analysis of applicable systems of partial differential equations as a starting point for studying upper-lower solutions, bifurcation, degree theory and other nonlinear methods. It also illustrates the use of semigroup, stability theorems and W2ptheory. Introductory explanations are included in the appendices for non-expert readers. The first chapter covers a wide range of steady-state and stability results involving prey-predator, competing and cooperating species under strong or weak interactions. Many diagrams are included to easily understand the description of the range of parameters for coexistence. The book provides a comprehensive presentation of topics developed by numerous researchers. Large complex systems are introduced for modern

	research in ecology, medicine and engineering. Chapter 3 combines the theories of earlier chapters with the optimal control of systems involving resource management and fission reactors. This is the first book to present such topics at research level. Chapter 4 considers persistence, cross-diffusion, and boundary induced blow-up, etc. The book also covers traveling or systems of waves, coupled Navier-Stokes and Maxwell systems, and fluid equations of plasma display. These should be of interest to life and physical scientists.

2.

Record Nr.	UNICAMPANIAVAN0260626
Titolo	Il lavoro nella giurisprudenza : rassegna di giurisprudenza : aggiornata al 31 dicembre 2002 / a cura di Guerino Guarnieri, Giorgio Treglia
Pubbl/distr/stampa	[Milanofiori, Assago], : IPSOA, 2003
ISBN	88-217-1822-0
Descrizione fisica	365 p. ; 24 cm
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia