1. Record Nr. UNINA9910788688903321

Autore	Cihak Martin
Titolo	Are More Competitive Banking Systems More Stable? / / Martin Cihak, Simon Wolfe, Klaus Schaeck
Pubbl/distr/stampa	Washington, D.C. : , : International Monetary Fund, , 2006
ISBN	1-4623-0036-7 1-4527-8848-0 1-283-51897-X 1-4527-0150-4 9786613831422
Descrizione fisica	1 online resource (37 p.)
Collana	IMF Working Papers
Altri autori (Persone)	WolfeSimon SchaeckKlaus
Soggetti	Banks and banking Bank management Banks and Banking Econometrics Finance: General Macroeconomics Banks Depository Institutions Micro Finance Institutions Mortgages General Financial Markets: General (includes Measurement and Data) Discrete Regression and Qualitative Choice Models Discrete Regressors Proportions Financial Crises Banking Finance Econometrics & economic statistics Economic & financial crises & disasters Competition Commercial banks Logit models Systemic crises Econometric models Financial crises

	United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"June 2006."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""I. INTRODUCTION""; ""II. LITERATURE REVIEW""; ""A. Competition and Concentration""; ""B. Concentration and Stability""; ""C. Competition and Stability""; ""D. Regulation, Supervision and Stability""; ""III. METHODOLOGY""; ""A. Duration Analysis""; ""B. Logistic Probability Analysis""; ""C. Panzar and Rosse (1987) H-Statistic""; ""IV. DATA AND SUMMARY STATISTICS""; ""V. REGRESSION RESULTS""; ""A. Main Results""; ""B. Robustness Tests""; ""C. Competitiveness, Regulation and Systemic Crises""; ""VI. CONCLUDING REMARKS""; ""DEFINITIONS OF VARIABLES AND DATA SOURCES"" ""REFERENCES""
Sommario/riassunto	This paper provides the first empirical analysis of the cross-country relationship between a direct measure of competitive conduct of financial institutions and banking system fragility. Using the Panzar and Rosse H-Statistic as a measure for competition in 38 countries during 1980-2003, we present evidence that more competitive banking systems are less prone to systemic crises and that time to crisis is longer in a competitive environment. Our results hold when concentration and the regulatory environment are controlled for and are robust to different methodologies, different sampling periods, and alternative samples.

2. Record Nr. UNINA9910855378203321

Autore	Anita Sebastian
Titolo	Mathematical Modeling and Control in Life and Environmental Sciences : Regional Control Problems / / by Sebastian Ania, Vincenzo Capasso, Simone Scacchi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2024
ISBN	9783031499715
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (284 pages)
Collana	Modeling and Simulation in Science, Engineering and Technology, , 2164-3725
Disciplina	570.15118
Soggetti	Mathematical models Biomathematics System theory Control theory Dynamics Mathematical Modeling and Industrial Mathematics Mathematical and Computational Biology Systems Theory, Control Dynamical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I: Regional Control of Spatially Structured Epidemics -- Regional Control for a Class of Spatially Structured Epidemics -- Controlling the Spread of a Vector-Borne Epidemic: The Case of Malaria -- Part II: Optimal Harvesting -- Optimal Harvesting: Space Dependence -- Optimal Harvesting: Age Dependence -- Part III: Controlling Epidemics in Agriculture -- Controlling Xyllela fastidiosa -- Controlling an Epidemic in Agriculture by Predators -- Part IV: Controlling Environmental Pollution in Geographical Economics -- Appendix A: Special Topics for Integro-Differential Equations -- Appendix B: Essentials of Numerical Methods.
Sommario/riassunto	This monograph explores the use of mathematical modeling and control theory in a variety of contemporary challenges in mathematical

biology and environmental sciences. Emphasizing an approach of learning by doing, the authors focus on a set of significant case studies emerging from real-world problems and illustrate how mathematical techniques and computational experiments can be employed in the search for sustainable solutions. The following topics are extensively discussed: Eradicability and control of a paradigmatic epidemic model, with a view to the existence of endemic states, their stability, and the existence of travelling waves A spatially structured epidemic model concerning malaria as an example of vector-borne epidemics Optimal harvesting problems for space-structured and age-structured population dynamics Controlling epidemics in agriculture due to pest insects The role of predators as a possible biocontrol agent of epidemics in agriculture Control by taxation of the environmental pollution produced by human activities The originality of this text is in its leitmotif – regional control – along the principle of “Think Globally, Act Locally.” Indeed, for example, in many real spatially structured ecosystems, it is practically impossible to control the relevant system by global interventions in the whole habitat. Proofs are given whenever they may serve as a guide to the introduction of new concepts. Each chapter includes a comprehensive description of the numerical methods used for the computational experiments, and MATLAB© codes for many of the numerical simulations are available for download. Several challenging open problems are also provided to stimulate future research. This text is aimed at mathematicians, engineers, and other scientists working in areas such as biology, medicine, and economics. Graduate and advanced undergraduate students of a quantitative subject related to the analysis and applications of dynamical systems and their control will also find it to be a valuable resource.