Record Nr.	UNINA9910349330103321
Titolo	Dynamical Systems, Bifurcation Analysis and Applications : Penang, Malaysia, August 6–13, 2018 / / edited by Mohd Hafiz Mohd, Norazrizal Aswad Abdul Rahman, Nur Nadiah Abd Hamid, Yazariah Mohd Yatim
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-329-832-4
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (X, 241 p. 105 illus., 77 illus. in color.)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1009 ; ; 295
Disciplina	515.39 515.48
Soggetti	Dynamics Ergodic theory Biomathematics Dynamical Systems and Ergodic Theory Mathematical and Computational Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A. A. M. Daud, Mathematical Modeling and Stability Analysis of Population Dynamics T. K. Ang, H. M. Safuan, U. A. M. Roslan, and

1.

	in A Two-Species Competition System A. Nordin, M. S. M. Noorani, and S. C. Dzul-Kifii, Counting Closed Orbits in Discrete Dynamical Systems O. J. Omaiye, M. H. Mohd, Computational Dynamical Systems Using XPPAUT L. Owen and E. Harjanto, A basic manual for AUT0-07p in computing bifurcation diagrams of a predator-prey model J. A. Collera, Numerical Continuation and Bifurcation Analysis in a Harvested Predator-Prey Model with Time Delay using DDE-Biftool.
Sommario/riassunto	This book is the result of Southeast Asian Mathematical Society (SEAMS) School 2018 on Dynamical Systems and Bifurcation Analysis (DySBA). It addresses the latest developments in the field of dynamical systems, and highlights the importance of numerical continuation studies in tracking both stable and unstable steady states and bifurcation points to gain better understanding of the dynamics of the systems. The SEAMS School 2018 on DySBA was held in Penang from 6th to 13th August at the School of Mathematical Sciences, Universiti Sains Malaysia. The SEAMS Schools are part of series of intensive study programs that aim to provide opportunities for an advanced learning experience in mathematics via planned lectures, contributed talks, and hands-on workshop. This book will appeal to those postgraduates, lecturers and researchers working in the field of dynamical systems and their applications. Senior undergraduates in Mathematics will also find it useful.