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Titolo	Introduction to Infinite-Equilibriums in Dynamical Systems / / by Albert C.J Luo
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-89083-3
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (145 pages)
Disciplina	515.39
Soggetti	Dynamics Nonlinear theories Multibody systems Vibration Mechanics, Applied Engineering mathematics Engineering - Data processing Applied Dynamical Systems Dynamical Systems Multibody Systems and Mechanical Vibrations Mathematical and Computational Engineering Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Single-linear-bivariate Linear systems -- Constant and Linear-bivariate Quadratic Systems -- Single-linear-bivariate Linear and Quadratic Systems -- Single-linear-bivariate Quadratic Systems.
Sommario/riassunto	This book examines infinite-equilibriums for the switching bifurcations of two 1-dimensional flows in dynamical systems. Quadratic single-linear-bivariate systems are adopted to discuss infinite-equilibriums in dynamical systems. For such quadratic dynamical systems, there are three types of infinite-equilibriums. The inflection-source and sink infinite-equilibriums are for the switching bifurcations of two parabola flows on the two-directions. The parabola-source and sink infinite-equilibriums are for the switching bifurcations of parabola and inflection flows on the two-directions. The inflection upper and lower-

	saddle infinite-equilibriums are for the switching bifurcation of two inflection flows in two directions. The inflection flows are for appearing bifurcations of two parabola flows on the same direction. Such switching bifurcations for 1-dimensional flow are based on the infinite-equilibriums, which will help one understand global dynamics in nonlinear dynamical systems. This book introduces infinite-equilibrium concepts and such switching bifurcations to nonlinear dynamics. Introduces the infinite-equilibriums for the switching of two 1-dimensional flows on two directions; Explains inflection-source and sink, parabola-source and source, inflection-saddle infinite-equilibriums; Develops parabola flows and inflections flows for appearing of two parabola flows.

2.

Record Nr.	UNINA9910674349303321
Titolo	Machine Learning and Data Mining for Sports Analytics : 9th International Workshop, MLSA 2022, Grenoble, France, September 19, 2022, Revised Selected Papers / / edited by Ulf Brefeld, Jesse Davis, Jan Van Haaren, Albrecht Zimmermann
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031275272 3031275276
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (x, 127 pages) : illustrations
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1783
Disciplina	006.3
Soggetti	Artificial intelligence Computer networks Application software Database management Software engineering Artificial Intelligence Computer Communication Networks Computer and Information Systems Applications Database Management System Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Football -- Towards expected counter - Using comprehensible features to predict counterattacks -- Shot analysis in different levels of German football using Expected Goals -- Analyzing passing sequences for the prediction of goal-scoring opportunities -- Let’s penetrate the defense: A machine learning model for prediction and valuation of penetrative passes -- Evaluation of creating scoring opportunities for teammates in soccer via trajectory prediction -- Cost-efficient and bias-robust sports player tracking by integrating GPS and video -- Racket sports -- Predicting tennis serve directions with machine learning -- Discovering and visualizing tactics in table tennis games based on subgroup discovery -- Cycling -- Athlete monitoring in professional road cycling using similarity search on time series data.
Sommario/riassunto	This book constitutes the refereed proceedings of the 9th International Workshop on Machine Learning and Data Mining for Sports Analytics, MLSA 2022, held in Grenoble, France, during September 19, 2022. The 10 full papers included in this book were carefully reviewed and selected from 18 submissions. They were organized in topical sections as follows: Football, Racket sports, Cycling.