

1.	Record Nr.	UNINA990008195920403321
	Autore	Matthaeus, Antonius <1635-1710>
	Titolo	Antonii Matthaei a.f. a.n. Commentarius ad institutiones ss. principis Iustiniani. In quo illustratur etiam ius hodiernum quo utimur
	Pubbl/distr/stampa	Trajecti ad Rhenum : apud Petrum Elzevirium, 1672
	Descrizione fisica	[18], 653, [13], 14 p. : ill. ; 4°
	Locazione	FGBC
	Collocazione	V Ob 54
	Lingua di pubblicazione	Latino
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Alle p. 8-9 e 20-21 illustraz. calcogr.
2.	Record Nr.	UNINA9910906198203321
	Autore	Luo Albert C. J.
	Titolo	Two-dimensional Product-cubic Systems, Vol.II : Product-quadratic Vector Fields // by Albert C. J. Luo
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
	ISBN	9783031571169 3031571169
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (300 pages)
	Collana	Palgrave Studies in the History of Science and Technology Series
	Disciplina	512.82
	Soggetti	Dynamics Nonlinear theories Engineering mathematics Engineering - Data processing Multibody systems Vibration Mechanics, Applied Stochastic analysis Mathematical analysis Applied Dynamical Systems Mathematical and Computational Engineering Applications Multibody Systems and Mechanical Vibrations Stochastic Analysis

Integral Transforms and Operational Calculus
Dynamical Systems

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Constant and Crossing-cubic Vector Fields -- Self-linear and Crossing-cubic Vector Fields -- Self-quadratic and Crossing-cubic Vector Fields.
Sommario/riassunto	<p>This book, the sixth of 15 related monographs, discusses singularity and networks of equilibriums and 1-diemsnional flows in product quadratic and cubic systems. The author explains how, in the networks, equilibriums have source, sink and saddles with counter-clockwise and clockwise centers and positive and negative saddles, and the 1-dimensional flows includes source and sink flows, parabola flows with hyperbolic and hyperbolic-secant flows. He further describes how the singular equilibriums are saddle-source (sink) and parabola-saddles for the appearing bifurcations, and the 1-dimensional singular flows are the hyperbolic-to-hyperbolic-secant flows and inflection source (sink) flows for 1-dimensional flow appearing bifurcations, and the switching bifurcations are based on the infinite-equilibriums, including inflection-source (sink), parabola-source (sink), up-down and down-up upper-saddle (lower-saddle), up-down (down-up) sink-to-source and source-to-sink, hyperbolic and hyperbolic-secant saddles. The diagonal-inflection upper-saddle and lower-saddle infinite-equilibriums are for the double switching bifurcations. The networks of hyperbolic flows with connected saddle, source and center are presented, and the networks of the hyperbolic flows with paralleled saddle and center are also illustrated. Readers will learn new concepts, theory, phenomena, and analysis techniques. Product-quadratic and product cubic systems Self-linear and crossing-quadratic product vector fields Self-quadratic and crossing-linear product vector fields Hybrid networks of equilibriums and 1-dimensional flows Up-down and down-up saddle infinite-equilibriums Up-down and down-up sink-to-source infinite-equilibriums Inflection-source (sink) Infinite-equilibriums Diagonal inflection saddle infinite-equilibriums Infinite-equilibrium switching bifurcations Develops singularity and networks of equilibriums and 1-diemsnional flows in product-quadratic and cubic systems; Provides dynamics of product-quadratic/ product-cubic systems through equilibrium network and first integral manifolds; Discovers new switching bifurcations through infinite-equilibriums of up-down upper-saddles (lower-saddles). .</p>