

1. Record Nr.	UNINA9910917785203321
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Titolo	1-dimensional Flow Arrays and Bifurcations in Planar Polynomial Systems // by Albert C. J. Luo
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819722044 9819722047
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (382 pages)
Collana	Mathematics and Statistics Series
Disciplina	512.9422
Soggetti	Dynamics Differential equations System theory Control theory Dynamical Systems Differential Equations Complex Systems Systems Theory, Control Sistemes complexos Matemàtica aplicada Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Constant and Self variable Polynomial Systems -- Constant and Crossing variable Polynomial Systems -- Single univariate Polynomial Systems -- Higher order Infinite equilibrium Bifurcations.
Sommario/riassunto	This book introduces to 1-dimensional flow arrays and bifurcations in planar polynomial systems. The 1-dimensional source, sink and saddle flows are discussed, as well as the 1-dimensional parabola and inflection flows. The singular source, sink and saddle flows are the appearing and switching bifurcations for simple sink and source flow arrays and for lower-order singular source, sink and saddle flow arrays. The singular parabola and inflection flows are the appearing and switching bifurcations for simple parabola arrays and also for lower-

order singular parabola and inflection flow arrays. The infinite-equilibria in single-variable polynomial systems are also discussed, which are the appearing and switching bifurcations of hybrid arrays of source, sink, and saddle flows with parabola and inflections. This book helps readers understand the global dynamics of planar polynomial systems and the Hilbert sixteen problem.
