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Record Nr.	UNINA9910300257803321
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Titolo	Dynamics of Quasi-Stable Dissipative Systems / / by Igor Chueshov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-22903-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XVII, 390 p. 9 illus.)
Collana	Universitext, , 0172-5939
Disciplina	515.39 515.48
Soggetti	Dynamics Ergodic theory Differential equations, Partial Physics Dynamical Systems and Ergodic Theory Partial Differential Equations Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Preface -- Introduction -- Basic Concepts -- General Facts on Dissipative Systems -- Finite-Dimensional Behavior and Quasi-Stability -- Abstract Parabolic Problems -- Second Order Evolution Equations -- Delay equations in infinite-dimensional spaces -- Auxiliary Facts -- References -- Index.
Sommario/riassunto	This book is devoted to background material and recently developed mathematical methods in the study of infinite-dimensional dissipative systems. The theory of such systems is motivated by the long-term goal to establish rigorous mathematical models for turbulent and chaotic phenomena. The aim here is to offer general methods and abstract results pertaining to fundamental dynamical systems properties related to dissipative long-time behavior. The book systematically presents, develops and uses the quasi-stability method while substantially extending it by including for consideration new classes of models and PDE systems arising in Continuum Mechanics. The book can be used as a textbook in dissipative dynamics at the

graduate level. Igor Chueshov is a Professor of Mathematics at Karazin Kharkov National University in Kharkov, Ukraine.