Record Nr. UNISA996466799603316 The Kolmogorov Legacy in Physics [[electronic resource] /] / edited by Titolo Angelo Vulpiani, Roberto Livi Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 2003 **ISBN** 3-540-39668-3 Edizione [1st ed. 2003.] 1 online resource (XV, 247 p.) Descrizione fisica Collana Lecture Notes in Physics, , 0075-8450;; 636 Disciplina 511.3 Soggetti Statistical physics Dynamical systems Applied mathematics **Engineering mathematics Physics** Fluids **Complex Systems** Applications of Mathematics Mathematical Methods in Physics Fluid- and Aerodynamics Statistical Physics and Dynamical Systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Part I: Chaos and Dynamical Systems -- Part II: Algorithmic Complexity and Information Theory -- Part III: Turbulence -- Part IV: Applications of Probability Theory. Sommario/riassunto The present volume, published at the occasion of his 100th birthday anniversary, is a collection of articles that reviews the impact of Kolomogorov's work in the physical sciences and provides an introduction to the modern developments that have been triggered in this way to encompass recent applications in biology, chemistry, information sciences and finance. This book addresses scientists and postgraduate students in applied mathematics and theoretical physics.