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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Preface -- Notation -- Contents -- 0. Introduction -- 1. Basic notions -- 2. Dynamical systems on the real line -- 3. Limit behaviour -- 4. Recurrent behaviour -- 5. Shift systems -- 6. Symbolic representations -- 7. Erratic behaviour -- 8. Topological entropy -- A. Topology -- B. The Cantor set -- C. Hints to the Exercises -- Literature -- Index -- De Gruyter Studies in Mathematics
Sommario/riassunto	There is no recent elementary introduction to the theory of discrete dynamical systems that stresses the topological background of the topic. This book fills this gap: it deals with this theory as 'applied general topology'. We treat all important concepts needed to understand recent literature. The book is addressed primarily to graduate students. The prerequisites for understanding this book are modest: a certain mathematical maturity and course in General Topology are sufficient.