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Titolo	Selected Topics in Mathematical Analysis : Real Number System – Recurrences – Asymptotic Analysis – Integration in Finite Terms // by Liviu C. Florescu
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Collana	Birkhäuser Advanced Texts Basler Lehrbücher, , 2296-4894
Disciplina	512.3
Soggetti	Algebraic fields Polynomials Difference equations Functional equations Functions of real variables Approximation theory Field Theory and Polynomials Difference and Functional Equations Real Functions Approximations and Expansions Anàlisi matemàtica Successions (Matemàtica) Integració numèrica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	- Real Number System -- Recurrences -- Elements of Asymptotic Analysis -- Integration in Finite Terms.
Sommario/riassunto	This book presents four topics related to undergraduate courses, typically not covered in standard lectures. Written in a clear and careful style, these four “pearls” aim at complementing and deepening the knowledge of students and instructors by presenting a variety of

techniques and useful methods. The first chapter provides a detailed discussion of real numbers, the foundation of any mathematical construction. Chapter two of the book is dedicated to the study of sequences defined by recurrence relations. The third chapter explores certain problems in asymptotic analysis, and the final chapter of the book discusses mathematical results related to "Integration in Finite Terms". Each chapter of the book is accompanied by its respective bibliography. The book is intended for readers with a level of maturity typically attained after completing a bachelor's degree in mathematics.

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