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Descrizione fisica	1 online resource (ix, 410 p.)
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Soggetti	Functional equations Inequalities (Mathematics)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Functional Equations and Inequalities in Linear Spaces: Linear Spaces and Semilinear Topology; Convex Functions; Cauchy's Exponential Equation; Polynomial Functions and Their Extensions; Quadratic Mappings; Quadratic Equation on an Interval; Ulam-Hyers-Rassias Stability of Functional Equations: Additive Cauchy Equation; Multiplicative Cauchy Equation; Jensen's Functional Equation; Gamma Functional Equation; Stability of Homogeneous Mappings; Stability of Functional Equations in Function Spaces; Stability in the Lipschitz Norms; Round-off Stability of Iterations; Functional Equations in Set-Valued Functions: Cauchy's Set-Valued Functional Equation; Pexider's Functional Equation; Subadditive Set-Valued Functions; Hahn-Banach Type Theorem and Applications; Subquadratic Set-Valued Functions; Iteration Semigroups of Set-Valued Functions.
Sommario/riassunto	An outline of the theory of functional equations and inequalities in several variables. The work is divided into three parts, addressing: functional equations and inequalities in linear spaces; Ulam-Hyers-Rassias stability of functional equations; and functional equations in set-valued functions.