

1. Record Nr.	UNINA9910458434803321
Autore	Czerwik Stefan
Titolo	Functional equations and inequalities in several variables [[electronic resource] /] / Stefan Czerwik
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2002
ISBN	981-277-811-X
Descrizione fisica	1 online resource (ix, 410 p.)
Disciplina	515.75
Soggetti	Functional equations Inequalities (Mathematics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
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.