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Soggetti	Functions of real variables Differential equations Differential equations, Partial Integral equations Difference equations Functional equations Real Functions Ordinary Differential Equations Partial Differential Equations Integral Equations Difference and Functional Equations
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Linear One-Dimensional Continuous Integral Inequalities -- Linear One-Dimensional Discrete (Difference) Inequalities -- Linear One-Dimensional Discontinuous Integral Inequalities -- Applications of Linear One-Dimensional Inequalities -- Linear Multi-Dimensional Continuous Integral Inequalities -- Linear Multi-Dimensional Discrete (Difference) Inequalities -- Linear Multi-Dimensional Discontinuous Integral Inequalities -- Applications of Linear Multi-Dimensional Integral and Difference Inequalities.
Sommario/riassunto	This book focuses on one- and multi-dimensional linear integral and discrete Gronwall-Bellman type inequalities. It provides a useful collection and systematic presentation of known and new results, as

well as many applications to differential (ODE and PDE), difference, and integral equations. With this work the author fills a gap in the literature on inequalities, offering an ideal source for researchers in these topics. The present volume is part 1 of the author's two-volume work on inequalities. Integral and discrete inequalities are a very important tool in classical analysis and play a crucial role in establishing the well-posedness of the related equations, i.e., differential, difference and integral equations.
