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| Soggetti | Functions of real variables |
| | Differential equations |
| | Integral equations |
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| | Real Functions |
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| Nota di contenuto | Preface -- Nonlinear One-Dimensional Continuous Integral Inequalities -- Nonlinear One-Dimensional Discrete (Difference) Inequalities -- Nonlinear One-Dimensional Discontinuous Integral Inequalities -- Applications of Nonlinear One-Dimensional Continuous, Discontinuous Integral Inequalities and Discrete Inequalities -- Nonlinear Multi-Dimensional Continuous Integral Inequalities -- Nonlinear Multi-Dimensional Discrete (Difference) Inequalities -- Nonlinear Multi-Dimensional Discontinuous Inequalities -- Applications of Nonlinear Multi-Dimensional Continuous, Discontinuous Integral Inequalities and Discrete Inequalities. |
| Sommario/riassunto | This book concentrates on one- and multi-dimensional nonlinear integral and discrete Gronwall-Bellman type inequalities. It complements the author's book on linear inequalities and serves as an essential tool for researchers interested in differential (ODE and PDE), |

difference, and integral equations. The present volume is part 2 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.