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Soggetti	Mathematical optimization Operations research Industrial management Management science Continuous Optimization Operations Research and Decision Theory Industrial Management Operations Research, Management Science
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Nota di contenuto	Introduction -- Unconstrained Optimization -- Applications of Nonlinear Programming -- Optimality Conditions and Duality Theory -- General Solution Methods for Constrained Optimization -- Methods for Linearly Constrained Problems -- Methods for Nonlinearly Constrained Problems -- Geometric Programming.
Sommario/riassunto	This book provides a comprehensive introduction to nonlinear programming, featuring a broad range of applications and solution methods in the field of continuous optimization. It begins with a summary of classical results on unconstrained optimization, followed by a wealth of applications from a diverse mix of fields, e.g. location analysis, traffic planning, and water quality management, to name but a few. In turn, the book presents a formal description of optimality conditions, followed by an in-depth discussion of the main solution

techniques. Each method is formally described, and then fully solved using a numerical example.
