

1. Record Nr.	UNINA9910139566203321
Titolo	Building and solving mathematical programming models in engineering and science [[electronic resource] /] / Enrique Castillo ... [et al.]
Pubbl/distr/stampa	New York, : Wiley, 2002
ISBN	1-283-33192-6 9786613331922 0-471-22529-0 0-471-46165-2
Descrizione fisica	1 online resource (568 p.)
Collana	Pure and applied mathematics
Altri autori (Persone)	CastilloEnrique <1946->
Disciplina	620.0015197 620/.001/5197
Soggetti	Programming (Mathematics) Engineering models Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 533-540) and index.
Nota di contenuto	Building and Solving Mathematical Programming Models in Engineering and Science; Contents; Preface; I Models; 1 Linear Programming; 1.1 Introduction; 1.2 The Transportation Problem; 1.3 The Production Scheduling Problem; 1.3.1 Production Scheduling Problem 1; 1.4 The Diet Problem; 1.5 The Network Flow Problem; 1.6 The Portfolio Problem; 1.7 Scaffolding System; 1.8 Electric Power Economic Dispatch; Exercises; 2 Mixed-Integer Linear Programming; 2.1 Introduction; 2.2 The 0-1 Knapsack Problem; 2.3 Identifying Relevant Symptoms; 2.4 The Academy Problem; 2.5 School Timetable Problem 2.6 Models of Discrete Location2.7 Unit Commitment of Thermal Power Units; Exercises; 3 Nonlinear Programming; 3.1 Introduction; 3.2 Some Geometrically Motivated Examples; 3.2.1 The Postal Package Example; 3.2.2 The Tent Example; 3.2.3 The Lightbulb Example; 3.2.4 The Surface Example; 3.2.5 The Moving Sand Example; 3.3 Some Mechanically Motivated Examples; 3.3.1 The Cantilever Beam Example; 3.3.2 The Two-Bar Truss Example; 3.3.3 The Column Example; 3.3.4 Scaffolding System; 3.4 Some Electrically Motivated Examples; 3.4.1

Power Circuit State Estimation; 3.4.2 Optimal Power Flow
3.5 The Matrix Balancing Problem
3.6 The Traffic Assignment Problem;
Exercises; II Methods; 4 An Introduction to Linear Programming; 4.1
Introduction; 4.2 Problem Statement and Basic Definitions; 4.3 Linear
Programming Problem in Standard Form; 4.3.1 Transformation to
Standard Form; 4.4 Basic Solutions; 4.5 Sensitivities; 4.6 Duality; 4.6.1
Obtaining the Dual from a Primal in Standard Form; 4.6.2 Obtaining the
Dual Problem; 4.6.3 Duality Theorems; Exercises; 5 Understanding the
Set of All Feasible Solutions; 5.1 Introduction and Motivation; 5.2
Convex Sets; 5.3 Linear Spaces
5.4 Polyhedral Convex Cones
5.5 Polytopes; 5.6 Polyhedra; 5.6.1
General Representation of Polyhedra; 5.7 Bounded and Unbounded LPP;
Exercises; 6 Solving the Linear Programming Problem; 6.1 Introduction;
6.2 The Simplex Method; 6.2.1 Motivating Example; 6.2.2 General
Description; 6.2.3 Initialization Stage; 6.2.4 Elemental Pivoting
Operation; 6.2.5 Identifying an Optimal Solution; 6.2.6 Regulating
Iteration; 6.2.7 Detecting Unboundedness; 6.2.8 Detecting Infeasibility;
6.2.9 Standard Iterations Stage; 6.2.10 The Revised Simplex Algorithm;
6.2.11 Some Illustrative Examples
6.3 The Exterior Point Method
6.3.1 Initial Stage; 6.3.2 Regulating
Stage; 6.3.3 Detecting Infeasibility and Unboundedness; 6.3.4 Standard
Iterations Stage; 6.3.5 The EPM Algorithm; 6.3.6 Some Illustrative
Examples; Exercises; 7 Mixed-Integer Linear Programming; 7.1
Introduction; 7.2 The Branch-Bound Method; 7.2.1 Introduction; 7.2.2
The BB Algorithm for MILPP; 7.2.3 Branching and Processing Strategies;
7.2.4 Other Mixed-Integer Linear Programming Problems; 7.3 The
Gomory Cuts Method; 7.3.1 Introduction; 7.3.2 Cut Generation; 7.3.3
The Gomory Cuts Algorithm for an ILPP; Exercises
8 Optimality and Duality in Nonlinear Programming

Sommario/riassunto

Fundamental concepts of mathematical modeling
Modeling is one of the most effective, commonly used tools in engineering and the applied sciences. In this book, the authors deal with mathematical programming models both linear and nonlinear and across a wide range of practical applications. Whereas other books concentrate on standard methods of analysis, the authors focus on the power of modeling methods for solving practical problems-clearly showing the connection between physical and mathematical realities-while also describing and exploring the main concepts and tools at work.

2. Record Nr.	UNINA9910791918803321
Autore	Smith Alexander Thomas T (Alexander Thomas Telford)
Titolo	Devolution and the Scottish Conservatives [[electronic resource]] : banal activism, electioneering and the politics of irrelevance // Alexander Thomas T. Smith
Pubbl/distr/stampa	Manchester ; ; New York, : Manchester University Press, : Distributed in the U.S. exclusively by Palgrave Macmillan, 2011
ISBN	1-84779-746-6 1-84779-479-3 1-78170-305-1 1-84779-480-7
Descrizione fisica	1 online resource (167 p.)
Collana	New Ethnographies New ethnographies
Disciplina	320.9411
Soggetti	Decentralization in government - Scotland Scotland Politics and government 21st century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [137]-149) and index.
Nota di contenuto	Copyright; Contents; Acknowledgements; Note to international readers; 1. Banal activism; 2. A Tory-free Scotland; 3. Dispelling Doonhamers: naming and the numbers game; 4. Making (a) difference: building the political machine; 5. The politics of irrelevance; 6. Disaggregating the secret ballot: electioneering and the politics of self-knowledge; 7. Counting on failure: Polling Day and its aftermath; 8. Return of the lesser-spotted Tory; Afterword; Bibliography; Index.
Sommario/riassunto	This highly readable book is a unique, ethnographic study of devolution and Scottish politics as well as Party political activism more generally. It explores how Conservative Party activists who had opposed devolution and the movement for a Scottish Parliament during the 1990's attempted to mobilise politically following their annihilation at the 1997 General Election.

3. Record Nr.	UNINA9910152060203321
Titolo	Journal of medical regulation
Pubbl/distr/stampa	Eules, Tex. : , : Federation of State Medical Boards of the United States, , 2009-
Descrizione fisica	1 online resource
Soggetti	Jurisprudence Licensure, Medical Malpractice Professional Competence Periodical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico