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Altri autori (Persone)	GRIFFINI, Giovanni MACCAPANI, Renzo
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Autore	Sharma Atul
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Nota di contenuto	Intro -- Foreword -- Preface -- Contents -- About the Author -- Part I Introduction and Essentials -- 1 Introduction -- 1.1 CFD: What Is It? -- 1.1.1 CFD as a Scientific and Engineering Analysis Tool -- 1.1.2 Analogy with a Video Camera -- 1.2 CFD: Why to Study? -- 1.3 Novelty, Scope, and Purpose of This Book -- References -- 2 Introduction to CFD: Development, Application, and Analysis -- 2.1 CFD Development -- 2.1.1 Grid Generation: Pre-Processor -- 2.1.2 Discretization Method: Algebraic Formulation -- 2.1.3 Solution Methodology: Solver -- 2.1.4 Computation of Engineering Parameters: Post-Processor -- 2.1.5 Testing -- 2.2 CFD Application -- 2.3 CFD Analysis -- 2.4 Closure -- References -- 3 Essentials of Fluid Dynamics and Heat Transfer for CFD -- 3.1 Physical Laws -- 3.1.1 Fundamental/Conservation Laws -- 3.1.2 Subsidiary Laws -- 3.2 Momentum and Energy Transport Mechanisms -- 3.3 Physical Law-Based Differential Formulation -- 3.3.1 Continuity Equation -- 3.3.2 Transport Equations -- 3.4 Generalized Volumetric and Flux Terms, and Their Differential Formulation -- 3.4.1 Volumetric Term -- 3.4.2 Flux-Term -- 3.4.3 Discussion -- 3.5 Mathematical Formulation -- 3.5.1 Dimensional Study -- 3.5.2 Non-Dimensional Study -- 3.6 Closure -- References -- 4 Essentials of Numerical-Methods for CFD -- 4.1 Finite Difference Method: A Differential to Algebraic Formulation for Governing PDE and BCs -- 4.1.1 Grid Generation -- 4.1.2 Finite Difference Method -- 4.1.3 Applications to CFD -- 4.2 Iterative

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Sommario/riassunto

Power for the People examines the tension between the social and political interests of states and the market in the case of energy policy. The author has conducted extensive research on California's experience with electricity restructuring, and assesses how the diverging interests of the market vs. the state resulted in that notable failure of energy deregulation. She includes overviews of many other states, and offers analysis on how states can balance their own interests with the market without imposing high costs on their citizens or the environment. This is the first book to look at dere
