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Nota di contenuto	Introduction -- The Concept of Base Forces -- Plane Quadrilateral Element Model of BFEM -- Base Forces Element Method(BFEM) for Arbitrary Mesh Problems -- BFEM for Geometric Nonlinear Problems -- BFEM with Arbitrary Mesh for Geometric Nonlinear Problems -- BFEM for Elastoplastic Problems -- BFEM for Three-dimensional Problems -- BFEM for Plane Truss Structures -- BFEM for Space Truss Structures -- Degenerated Model of BFEM -- Mixing Element Model of BFEM -- Conclusion -- Application Prospects.
Sommario/riassunto	This book describes the main concepts of and recent advances in the base forces element method (BFEM). It combines theories, methods, models, numerical results, and an analysis of the BFEM. Each chapter starts with an introduction and derivation of a new mathematical model for the proposed method. Subsequently, the methods are described and numerical examples demonstrating the significance of the

proposed method are presented. The closing chapter summarizes the performance and features of the BFEM and describes the prospects for its application. The book is intended for engineers, scientists and graduate students in applied mechanics and applied mathematics, and for all readers interested in numerical computations and simulations.
