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| 1. Record Nr. | UNINA990006797740403321 |
| Autore | Fegley, Randall |
| Titolo | Equatorial Guinea / Compiler Randall Fegley |
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| Descrizione fisica | LX, 124 p. ; 21 cm |
| Collana | World bibliographical series ; 136 |
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| 2. Record Nr. | UNISOBE600200008128 |
| Autore | Longhi, Roberto |
| Titolo | Le Caravage / Roberto Longhi |
| Pubbl/distr/stampa | Milano, : Aldo Martello, stampa 1952 |
| Descrizione fisica | 49 p. : ill. : tav ; 38 cm |
| Lingua di pubblicazione | Francese |
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3. Record Nr.	UNINA9911006881303321
Autore	Peaceman Donald W
Titolo	Fundamentals of numerical reservoir simulation // Donald W. Peaceman
Pubbl/distr/stampa	Amsterdam ; ; New York, : Elsevier Scientific Pub. Co. : distributors for the U.S. and Canada, Elsevier North-Holland, 1977
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Descrizione fisica	1 online resource (191 p.)
Collana	Developments in petroleum science ; ; 6
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Soggetti	Oil reservoir engineering - Mathematical models Oil reservoir engineering - Data processing
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliography and index.
Nota di contenuto	Front Cover; Fundamentals of Numerical Reservoir Simulation; Copyright Page; CONTENTS; PREFACE; CHAPTER 1. DIFFERENTIAL EQUATIONS FOR FLOW IN RESERVOIRS; Introduction; Single-phase flow; Types of second-order differential equations; Two-phase flow; Three-phase flow; Flow with change of phase; The black-oil model; Limited compositional model; Summary; Nomenclature; CHAPTER 2. ELEMENTARY FINITE DIFFERENCES; Introduction; First-difference quotients; Second-difference quotients; Grid systems; Truncation error; Nomenclature CHAPTER 3. NUMERICAL SOLUTION OF PARABOLIC PROBLEMS IN ONE DEPENDENT VARIABLEThe forward-difference equation; Stability by harmonic analysis (the von Neumann criterion); Implicit difference equations; Other explicit difference equations; Multidimensional problems; Alternating-direction methods; Nomenclature; CHAPTER 4. NUMERICAL SOLUTION OF FIRST-ORDER HYPERBOLIC PROBLEMS IN ONE DEPENDENT VARIABLE; Introduction; Difference equations; Stability; Truncation error analysis-numerical dispersion; Example calculations; Summary; Nomenclature

CHAPTER 5. NUMERICAL SOLUTION OF ELLIPTIC PROBLEMS IN ONE
DEPENDENT VARIABLE Elliptic difference equations; Direct solution of
band matrix equations by factorization; Application of band algorithm t
o two-dimensional problems; Iterative methods for solving elliptic
problems; Point relaxation methods; Line relaxation methods;
Alternating-direction iteration (A.D.I.); Strongly implicit procedure (S.I.
P.); Summary; Nomenclature; CHAPTER 6. NUMERICAL SOLUTION OF
TWO-PHASE FLOW PROBLEMS; Introduction; Differential equations;
Difference notation; Simultaneous numerical solution
Sequential numerical solution Implicit and semi-implicit mobilities;
Numerical dispersion; Well rates; Nomenclature; REFERENCES; SUBJECT
INDEX

Sommario/riassunto

Fundamentals of Numerical Reservoir Simulation
