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Autore	Kloekhorst Alwin
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Collana	Leiden Indo-European etymological dictionary series, , 1574-3586 ; v. 5
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Soggetti	Hittite language - Etymology
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references (p. [1041]-1078) and index.
Nota di contenuto	Preface -- Abbreviations and symbols -- General introduction -- Aim of this work -- The study of Hittite -- Dating of texts -- Methods of transcription -- Anatolian language family -- The place of the Anatolian branch within PIE -- Towards a Hittite historical grammar -- Historical phonology -- Proto-Indo-European phoneme inventory -- Proto-Anatolian phoneme inventory -- Hittite phoneme inventory -- Cuneiform script -- Stops -- Glottal stop -- Affricate -- Fricatives -- Resonants -- Syllabic resonants -- Semi-vowels -- Vowels -- Plene spelling -- Ambiguity -- Plene spelling of E and I -- The signs U and U -- Word-initially before vowels -- Word-initially before -- Consonants -- Word-internally between consonant and vowel -- Word-internally between vowels -- Word-internally between vowel and consonant -- Word-internally between consonants -- overview of interconsonantal reflexes -- Word-finally after -- Consonants -- Word-finally after vowels -- Conclusions -- Regarding U and U -- Epenthetic vowels -- Overview of the Hittite phoneme -- Inventory -- Changes from PIE to Hittite -- Lenition -- Fortition -- Stops.

2. Record Nr.	UNINA9910678196103321
Autore	Atkinson Kendall E.
Titolo	Numerical solution of ordinary differential equations // Kendall E. Atkinson, Weimin Han, David Stewart
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Collana	Pure and Applied Mathematics: A Wiley-Interscience Series of Texts, Monographs, and Tracts
Classificazione	SK 920
Disciplina	515.352
Soggetti	Differential equations - Numerical solutions
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 and index.
Nota di contenuto	Numerical Solution of Ordinary Differential Equations; CONTENTS; Introduction; 1 Theory of differential equations: An introduction; 1.1 General solvability theory; 1.2 Stability of the initial value problem; 1.3 Direction fields; Problems; 2 Euler's method; 2.1 Definition of Euler's method; 2.2 Error analysis of Euler's method; 2.3 Asymptotic error analysis; 2.3.1 Richardson extrapolation; 2.4 Numerical stability; 2.4.1 Rounding error accumulation; Problems; 3 Systems of differential equations; 3.1 Higher-order differential equations; 3.2 Numerical methods for systems; Problems 4 The backward Euler method and the trapezoidal method 4.1 The backward Euler method; 4.2 The trapezoidal method; Problems; 5 Taylor and Runge-Kutta methods; 5.1 Taylor methods; 5.2 Runge-Kutta methods; 5.2.1 A general framework for explicit Runge-Kutta methods; 5.3 Convergence, stability, and asymptotic error; 5.3.1 Error prediction and control; 5.4 Runge-Kutta-Fehlberg methods; 5.5 MATLAB codes; 5.6 Implicit Runge-Kutta methods; 5.6.1 Two-point collocation methods; Problems; 6 Multistep methods; 6.1 Adams-Bashforth methods; 6.2 Adams-Moulton methods; 6.3 Computer codes

6.3.1 MATLAB ODE codes; Problems; 7 General error analysis for multistep methods; 7.1 Truncation error; 7.2 Convergence; 7.3 A general error analysis; 7.3.1 Stability theory; 7.3.2 Convergence theory; 7.3.3 Relative stability and weak stability; Problems; 8 Stiff differential equations; 8.1 The method of lines for a parabolic equation; 8.1.1 MATLAB programs for the method of lines; 8.2 Backward differentiation formulas; 8.3 Stability regions for multistep methods; 8.4 Additional sources of difficulty; 8.4.1 A-stability and L-stability; 8.4.2 Time-varying problems and stability; 8.5 Solving the finite-difference method; 8.6 Computer codes; Problems; 9 Implicit RK methods for stiff differential equations; 9.1 Families of implicit Runge-Kutta methods; 9.2 Stability of Runge-Kutta methods; 9.3 Order reduction; 9.4 Runge-Kutta methods for stiff equations in practice; Problems; 10 Differential algebraic equations; 10.1 Initial conditions and drift; 10.2 DAEs as stiff differential equations; 10.3 Numerical issues: higher index problems; 10.4 Backward differentiation methods for DAEs; 10.4.1 Index 1 problems; 10.4.2 Index 2 problems; 10.5 Runge-Kutta methods for DAEs; 10.5.1 Index 1 problems; 10.5.2 Index 2 problems; 10.6 Index three problems from mechanics; 10.6.1 Runge-Kutta methods for mechanical index 3 systems; 10.7 Higher index DAEs; Problems; 11 Two-point boundary value problems; 11.1 A finite-difference method; 11.1.1 Convergence; 11.1.2 A numerical example; 11.1.3 Boundary conditions involving the derivative; 11.2 Nonlinear two-point boundary value problems; 11.2.1 Finite difference methods; 11.2.2 Shooting methods; 11.2.3 Collocation methods; 11.2.4 Other methods and problems; Problems; 12 Volterra integral equations; 12.1 Solvability theory; 12.1.1 Special equations

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Sommario/riassunto

A concise introduction to numerical methods and the mathematical framework needed to understand their performance. Numerical Solution of Ordinary Differential Equations presents a complete and easy-to-follow introduction to classical topics in the numerical solution of ordinary differential equations. The book's approach not only explains the presented mathematics, but also helps readers understand how these numerical methods are used to solve real-world problems. Unifying perspectives are provided throughout the text, bringing together and categorizing different types of problems in o

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3. Record Nr.	UNINA9910815029603321
Titolo	Mobile and wireless communications for IMT-advanced and beyond // editors, Afif Osseiran, Jose F. Monserrat, Werner Mohr
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Edizione	[1st edition]
Descrizione fisica	1 online resource (326 p.)
Altri autori (Persone)	OsseiranAfif MonserratJose F MohrWerner <1955->
Disciplina	621.382
Soggetti	Wireless communication systems
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Nota di contenuto	About the Editors xiii -- Preface xv -- Acknowledgements xvii -- List of Abbreviations xix -- List of Contributors xxv -- 1 Introduction 1 -- 1.1 Market and Technology Trends 1 -- 1.2 Technology Evolution 3 -- 1.3 Development of IMT-Advanced and Beyond 6 -- References 8 -- 2 Radio Resource Management 11 -- 2.1 Overview of Radio Resource Management 11 -- 2.2 Resource Allocation in IMT-Advanced Technologies 13 -- 2.2.1 Main IMT-Advanced Characteristics 13 -- 2.2.2 Scheduling 16 -- 2.2.3 Interference Management 16 -- 2.2.4 Carrier Aggregation 18 -- 2.2.5 MBMS Transmission 18 -- 2.3 Dynamic Resource Allocation 19 -- 2.3.1 Resource Allocation and Packet Scheduling Using Utility Theory 19 -- 2.3.2 Resource Allocation with Relays 22 -- 2.3.3 Multiuser Resource Allocation Maximizing the UE QoS 24 -- 2.3.4 Optimization Problems and Performance 26 -- 2.4 Interference Coordination in Mobile Networks 26 -- 2.4.1 Power Control 27 -- 2.4.2 Resource Partitioning 28 -- 2.4.3 MIMO Busy Burst for Interference Avoidance 33 -- 2.5 Efficient MBMS Transmission 35 -- 2.5.1 MBMS Transmission 36 -- 2.5.2 Performance Assessment 37

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Sommario/riassunto

A timely addition to the understanding of IMT-Advanced, this book places particular emphasis on the new areas which IMT-Advanced technologies rely on compared with their predecessors. These latest areas include Radio Resource Management, Carrier Aggregation, improved MIMO support and Relaying. Each technique is thoroughly described and illustrated before being surveyed in context of the LTE-Advanced standards. The book also presents state-of-the-art information on the different aspects of the work of standardization bodies (such as 3GPP and IEEE), making global links between them. . Explores the latest research innovations to assess the future of the LTE standard. Covers the latest research techniques for beyond IMT-Advanced such as Coordinated multi-point systems (CoMP), Network Coding, Device-to-Device and Spectrum Sharing. Contains key information for researchers from academia and industry, engineers, regulators and decision makers working on LTE-Advanced and beyond.

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