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Autore	Montague Marjorie <1945->
Titolo	Computers, cognition, and writing instruction / / Marjorie Montague
Pubbl/distr/stampa	Albany, N.Y., : State University of New York Press, c1990
ISBN	1-4384-1345-9 0-585-05505-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (167 pages)
Collana	SUNY series in computers in education
Disciplina	428/.0078
Soggetti	English language - Computer-assisted instruction English language - Composition and exercises Report writing - Study and teaching Word processing in education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Intro -- Contents -- Acknowledgments -- Introduction -- 1. Philosophical and Theoretical Perspectives -- A Historical Overview -- Computer Literacy -- Philosophical Issues -- Cognitive Perspective -- Sociological Perspective -- Pedagogical Perspective -- A Theory of Educational Computing -- Writing Process Theory and Educational Computing -- 2. The Development of Writing Processes -- Models of Composing -- Conclusion -- 3. Writing Processes and Computers -- Writing Process Instruction -- Computer Writing Environment -- Word Processing -- Writing Process Software -- Computer-Assisted Composing Supports -- Conclusion -- 4. Computers and Writing at the Elementary Level -- Writing Research -- Computer-Assisted Composing Research -- Learning Strategies -- Teaching Strategies -- Computer Writing Environment -- Conclusion -- 5. Computers and Writing at the Secondary Level -- Writing Research -- Computer-Assisted Composing Research -- Learning and Teaching Strategies -- Computer Writing Environment -- Conclusion -- 6. Computers and Writing with Special Needs Students -- Learning Disabilities -- Physical and Sensory Impairments -- Cultural and Linguistic Differences -- Summary -- 7. Evaluation and Selection of Computer Writing Tools -- The Need to Evaluate Computer Writing Tools -- Considerations for

	Selecting Computer Writing Tools -- Instructional Goals -- Hardware Selection -- Software Selection -- Conclusion -- 8. Current Trends and Future Directions -- Trends in Educational Computing -- Future Hardware -- Future Software -- Computer Environment for Writing and Learning -- Professional Preparation Programs -- Conclusion -- Appendix: Computer-Assisted Composing Software -- Bibliography -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- V -- W -- Y.
Sommario/riassunto	Marjorie Montague provides both the philosophical and theoretical background for research in computer-assisted composition, as well as a comprehensive review and synthesis of the efficacy research in this area. She focuses on effective writing instruction for elementary, secondary, and special needs students, and she proposes a model in which the teacher and the computer are viewed as compatible instructional agents within a microcomputer learning environment. Marjorie Montague is Assistant Professor in the School of Education and Allied Professions at the University of Miami, Coral Gables.

2.

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Titolo	Cellular Automata and Discrete Complex Systems : 23rd IFIP WG 1.5 International Workshop, AUTOMATA 2017, Milan, Italy, June 7-9, 2017, Proceedings / / edited by Alberto Dennunzio, Enrico Formenti, Luca Manzoni, Antonio E. Porreca
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-58631-9
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVI, 201 p. 48 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10248
Disciplina	511.3
Soggetti	Computer science Algorithms Computer simulation Computer networks Computer science - Mathematics Mathematical statistics Machine theory Theory of Computation Computer Modelling Computer Communication Networks Probability and Statistics in Computer Science

	Formal Languages and Automata Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Organization -- Abstracts of Invited Talks -- Two Dimensional Cellular Automata and Computational Complexity -- Fixed Points in Boolean Networks -- Contents -- Invited Papers -- Strict Asymptotic Nilpotency in Cellular Automata -- 1 Introduction -- 2 Nilpotency on Multidimensional Full Shifts -- 3 Nilpotency from a Subset of Configurations -- 4 Nilpotency on Multidimensional Subshifts -- 4.1 SFTs -- 4.2 Sofics (and Beyond) -- 5 Nilpotency as Uniform Convergence to a Point -- 6 Cellular Automata on Graphs and Groups -- 6.1 What Works on General Groups? -- 7 CA with Very Sparse Spacetime Diagrams -- References -- Regular Papers -- Infinite Two-Dimensional Strong Prefix Codes: Characterization and Properties -- 1 Introduction -- 2 Preliminaries -- 3 Two-Dimensional Codes -- 4 Infinite Strong Prefix Codes -- 5 Measure of Two-Dimensional Languages and Codes -- References -- Restricted Binary Strings and Generalized Fibonacci Numbers -- 1 Introduction -- 2 A Simple Bijection and Some Applications -- 3 Number of 1's in the Strings of Fn (k) -- 4 Conclusion -- References -- Von Neumann Regular Cellular Automata -- 1 Introduction -- 2 Regular Cellular Automata -- 3 Regular Finite Cellular Automata -- 4 Regular Linear Cellular Automata -- References -- Enumerative Results on the Schroder Pattern Poset -- 1 Introduction -- 2 The Covering Relation in the Schroder Pattern Poset -- 3 Enumerative Results on Pattern Avoiding Schroder Paths -- 3.1 The Pattern (UD)k -- 3.2 The Pattern Uk Dk -- 3.3 The Pattern H2 k -- 3.4 The Pattern UH2 k-1D -- 3.5 The Pattern H2 k-1UD -- 4 Suggestions for Further Work -- References -- Canonical Form of Gray Codes in N-cubes -- 1 Introduction -- 2 Canonical Form of Gray Codes -- 2.1 Isomorphic Cycles -- 2.2 Preliminary Tools -- 2.3 Canonical Form -- 2.4 Examples of Application of C. 2.5 Discussion over the Interest of the Canonical Form -- 3 Balanced Gray Codes Generation Algorithm -- 4 Application -- 4.1 Validation of the Canonical Form and the Generation Algorithm -- 4.2 Application of the Balanced Gray Code Generation Algorithm -- 5 Conclusion -- References -- Equicontinuity and Sensitivity of Nondeterministic Cellular Automata -- 1 Introduction -- 2 Preliminaries -- 2.1 Cellular Automata -- 2.2 Nondeterministic Cellular Automata -- 3 Equicontinuity -- 4 Sensitivity -- 5 Transitivity -- 6 Conclusions -- References -- Diploid Cellular Automata: First Experiments on the Random Mixtures of Two Elementary Rules -- 1 Introduction -- 2 Definitions -- 3 First Steps in the Space of Diploids -- 3.1 Experimental Protocol -- 3.2 Mixtures with the Null Rule (ECA 0) -- 3.3 Mixtures with the Identity Rule: -asynchronous ECA -- 3.4 Mixtures with the Inversion Rule (ECA 51) -- 4 Discussion -- References -- On the Computational Complexity of the Freezing Non-strict Majority Automata -- 1 Introduction -- 2 Preliminaries -- 3 A Characterization of Stable Sets -- 4 The Algorithm -- 5 Conclusion -- References -- Distortion in One-Head Machines and Cellular Automata -- 1 Introduction -- 2 Definitions -- 2.1 Subshifts and Cellular Automata --

2.2 Neighborhoods and Radii -- 2.3 Distortion -- 3 Distorted One-Head Machines -- 3.1 One-Head Machines -- 3.2 Speed Trichotomy -- 3.3 Aperiodic Machines -- 3.4 Distortion on Sofic Shifts -- 3.5 Undecidability of Distortion -- 4 Unbalanced Distortion in General Subshifts -- 5 Future Work -- References -- Fast One-Way Cellular Automata with Reversible Mealy Cells -- 1 Introduction -- 2 Preliminaries and Definitions -- 3 The Computational Capacity of One-Way Mealy Cellular Automata with Weakly Reversible Cells -- 4 Reversible One-Way Partitioned Cellular Automata -- 5 Conclusions -- References.
Enumerating Orthogonal Latin Squares Generated by Bipermutive Cellular Automata -- 1 Introduction -- 2 Preliminaries -- 2.1 Basic Definitions -- 2.2 Latin Squares Generated by Cellular Automata -- 3 Main Results -- 4 Enumeration of Pairwise Balanced Bipermutive Rules -- 5 Conclusions -- References -- Filling Curves Constructed in Cellular Automata with Aperiodic Tiling -- 1 Introduction -- 2 Constructions and Fillings -- 2.1 Cellular Automata -- 2.2 Tile Set -- 3 Aperiodic Tile Set -- 3.1 From Tile Set Determinism to Cellular Automaton -- 3.2 A NW-Deterministic Aperiodic Tile Set -- 4 Aperiodic Filling -- 4.1 Linear Functions -- 4.2 Over-Logarithmic Growth Functions -- 5 Conclusions and Perspectives -- References -- Some Computational Limits of Trellis Automata -- 1 Introduction -- 2 Trellis Automaton -- 3 Factors Diagram for a Language -- 4 Trellis Automaton Patterns and Language Patterns -- 5 Counting Argument -- 6 Some Non Trellis Language -- 7 Conclusion -- References -- Turing-Completeness of Asynchronous Non-camouflage Cellular Automata -- 1 Introduction -- 2 Preliminaries -- 2.1 Asynchronous CA -- 2.2 Requirements -- 2.3 Priese System -- 3 Proposing Asynchronous Non-camouflage CA -- 3.1 Proposed CA M -- 3.2 Simulation of s-automaton -- 4 Discussion -- References -- Author Index.

Sommario/riassunto

This volume constitutes the thoroughly refereed proceedings of the 23rd IFIP WG 1.5 International Workshop on Cellular Automata and Discrete Complex Systems, AUTOMATA 2017, held in Milan, Italy, in June 2017. The 14 full papers presented together with one full-length invited paper and 2 invited talk abstracts were carefully reviewed and selected from a total of 28 submissions. The papers feature research on correlated models of automata. The topics include aspects and features of such models: dynamics; topological, ergodic, and algebraic aspects; algorithmic and complexity issues; emergent properties; formal languages; symbolic dynamics; tilings; models of parallelism and distributed systems; timing schemes; synchronous versus asynchronous models; phenomenological descriptions; scientific modelling; practical applications. .