

1. Record Nr.	UNINA990007965510403321
Autore	De Martino, Giulio
Titolo	Le filosofe : le donne protagoniste nella storia del pensiero / Giulio De Martino, Marina Bruzzese
Pubbl/distr/stampa	Napoli : Liguori, 1994
ISBN	88-207-2445-6
Descrizione fisica	470 p. : ill. ; 24 cm
Altri autori (Persone)	Bruzzese, Marina
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Locazione	FLFBC
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Lingua di pubblicazione	Italiano
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2. Record Nr.	UNISA990001468060203316
Autore	CUOCO, Vincenzo < 1770-1823 >
Titolo	Il pensiero educativo e politico / Vincenzo Cuoco ; introduzione e note di Nino Cortese
Pubbl/distr/stampa	Firenze, : La Nuova Italia, 1942
Descrizione fisica	XXXI, 350 p. ; 20 cm
Collana	Educatori antichi e moderni
Disciplina	320.5
Soggetti	Filosofia politica
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3. Record Nr.	UNINA9911018896103321
Autore	Burger John Robert <1940->
Titolo	Human memory modeled with standard analog and digital circuits : inspiration for man-made computers / / John Robert Burger
Pubbl/distr/stampa	Hoboken, : Wiley, c2009
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Nota di contenuto	HUMAN MEMORY MODELED WITH STANDARD ANALOG AND DIGITAL CIRCUITS; CONTENTS; PREFACE; 1 BRAIN BEHAVIOR POINTS THE WAY; Introduction; Modeling; Why Thinking Dissipates So Few Calories; The Miracle of Parallel Processing; Singularity; The Benefits of Reading This Book; Overview of the Book; Applications of the Models in the Book; Conclusions; Exercises; 2 NEURAL MEMBRANES AND ANIMAL ELECTRICITY; Introduction; The Physical Neuron; Ionic Solutions and Stray Electrons; Nernst Voltage; Ion-Channel Model; Applications; Conclusions; Exercises; 3 NEURAL PULSES AND NEURAL MEMORY; Introduction Derivation of a Neural Pulse Using Basic Physics Neuron Signal Propagation; Modeling Neurons as Adiabatic; Neurons for Memory; Applications; Conclusions; Exercises; Appendix: Asymptotically Adiabatic Circuits; 4 CIRCUITS AND SYSTEMS FOR MEMORIZATION AND RECALL; Introduction; Psychological Considerations When Modeling Human Memory; Basic Assumptions to Create a Model; Short-Term

Memory and Consciousness; Cognitive Architecture; Discussion of the Model; Enabled Neural Logic; Models for Memorization; Applications; Conclusions; Exercises; 5 DENDRITIC PROCESSING AND HUMAN LEARNING; Introduction
Biological Versus Artificial Neural NetworksDendrites; Neurons for Combinational Learning; Neurons for State-Machine Learning; Learning Circuits; Dendritic Processing Models; Enabled Logic Directly at the Soma; Comments on the Adiabatic Nature of Dendrites; Applications; Conclusions; Exercises; Appendix: Circuit Simulations of Neural Soliton Propagation; Conclusions; 6 ARTIFICIAL LEARNING IN ARTIFICIAL NEURAL NETWORKS; Introduction; Artificial Neurons; Artificial Learning Methods; Discussion of Learning Methods; Conclusion; Exercises; 7 THE ASSET OF REVERSIBILITY IN HUMANS AND MACHINES
IntroductionSavants; Neural Models that Explain Savants; Parallel Processing and the Savant Brain; Computational Possibilities Using Conditional Toggle Memory; The Cost of Computation; Reversible Programming; Conclusions; Exercises; Appendix: Split-Level Charge Recovery Logic; 8 ELECTRICALLY REVERSIBLE NANOPROCESSORS; Introduction; A Gauge for Classical Parallelism; Design Rules for Electrical Reversibility; Reversible System Architecture; Architecture for Self-Analyzing Memory Words; Electrically Reversible Toggle Circuit; Reversible Addition Programming Example
Reversible Subtraction Programming ExampleConclusions; Exercises; 9 MULTIPLICATION, DIVISION, AND HAMILTONIAN CIRCUITS; Introduction; Unsigned Multiplication; Restoring Division; Solving Hard Problems; Hamiltonian Circuits; The Initialization of Toggle Memory in Nanoprocessors; Logically Reversible Programming Using Nanobrain; Conclusions; Exercises; 10 QUANTUM VERSUS CLASSICAL COMPUTING; Introduction; Physical Qubits; Quantum Boolean Functions; Quantum Computer Programming; Historical Quantum Computing Algorithms; Conclusions; Exercises; APPENDIX A HUMAN BRAIN ANATOMY; Components of a Brain
Forebrain Structure

Sommario/riassunto

Gain a new perspective on how the brain works and inspires new avenues for design in computer science and engineering This unique book is the first of its kind to introduce human memory and basic cognition in terms of physical circuits, beginning with the possibilities of ferroelectric behavior of neural membranes, moving to the logical properties of neural pulses recognized as solitons, and finally exploring the architecture of cognition itself. It encourages invention via the methodical study of brain theory, including electrically reversible neurons, neural networks, associative me
