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Soggetti	Computers Mathematical logic Computer simulation Bioinformatics Bioinformatics Computational biology Theory of Computation Computation by Abstract Devices Mathematical Logic and Formal Languages Simulation and Modeling Computer Appl. in Life Sciences
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Molecular Biology of Bacteria and Its Relevance for P Systems -- A Software Simulation of Transition P Systems in Haskell -- Authentication of Messages Using P Systems -- Eilenberg P Systems -- A MzScheme Implementation of Transition P Systems -- Preliminaries about Some Possible Applications of P Systems in Linguistics -- An Application of Dynamic P Systems: Generating Context-Free Languages -- P Systems with Boundary Rules -- Parallel Rewriting P Systems without Target Conflicts -- Evolution–Communication P Systems -- Dynamic P Systems -- Membrane Systems and Distributed Computing -- Client–Server P Systems in Modeling Molecular Interaction -- P

Automata or Purely Communicating Accepting P Systems -- Self-activating P Systems -- Energy-Controlled P Systems -- P Systems with Activated/Prohibited Membrane Channels -- Membrane Systems with Symport/Antiport Rules: Universality Results -- Simulating Counter Automata by P Systems with Symport/Antiport -- Towards a Hierarchy of Conformons -- P Systems -- Accretive Rules in Cayley P Systems -- Tissue P Systems with Contextual and Rewriting Rules -- Considerations on a Multiset Model for Membrane Computing -- A Survey of Some Variants of P Systems -- Bridging P Systems and Genomics: A Preliminary Approach -- Probabilistic P Systems -- Decision P Systems and the P $\neq$ NP Conjecture -- P Systems without Priorities Are Computationally Universal -- The Architecture of Living Structures -A Possible Basis for Molecular Computing.
