1. Record Nr. UNISA996465643403316

Titolo	Graph-Grammars and Their Application to Computer Science and Biology [[electronic resource]] : International Workshop, Bad Honnef, October 30 - November 3, 1978 / / edited by V. Claus, H. Ehrig, G. Rozenberg
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1979
ISBN	3-540-35091-8
Edizione	[1st ed. 1979.]
Descrizione fisica	1 online resource (X, 486 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 73
Disciplina	004.0151
Soggetti	Computers Computer science Theory of Computation Computer Science, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	to the algebraic theory of graph grammars (a survey) -- A tutorial and bibliographical survey on graph grammars -- Partially-additive monoids, graph-growing, and the algebraic semantics of recursive calls -- Rewriting systems as a tool for relational data base design -- Programmed graph grammars -- Shortest path problems and tree grammars: An algebraic framework -- Constructing specifications of abstract data types by replacements -- Decomposition of graph grammar productions and derivations -- Locally star gluing formulas for a class of parallel graph grammars -- Transformations of data base structures -- Explicit versus implicit parallel rewriting on graphs -- Two-level graph grammars -- A pumping lemma for context-free graph languages -- Two-dimensional, differential, intercalary plant tissue growth and parallel graph generating and graph recurrence systems -- Parallel generation of maps: Developmental systems for cell layers -- Processes in structures -- Map grammars: Cycles and the algebraic approach -- On multilevel — Graph grammars -- Graph grammars and operational semantics -- Complexity of pattern generation by map-L systems -- A graph grammar that describes the

set of two-dimensional surface networks -- Definition of programming language semantics using grammars for hierarchical graphs -- Determinism in relational systems -- Analysis of programs by reduction of their structure -- Graphs of processors -- Definitional mechanisms for conceptual graphs -- A graph-like lambda calculus for which leftmost-outermost reduction is optimal -- Relationships between graph grammars and the design and analysis of concurrent software -- Cellular graph automata -- List of participants.