

1. Record Nr.	UNINA9910789212003321
Titolo	Handbook of Formal Languages [[electronic resource]] : Volume 3 Beyond Words // edited by Grzegorz Rozenberg, Arto Salomaa
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997
ISBN	3-642-59126-4
Edizione	[1st ed. 1997.]
Descrizione fisica	1 online resource (XX, 625 p.)
Disciplina	005.131
Soggetti	Mathematical logic Combinatorics Computer graphics Programming languages (Electronic computers) Mathematical Logic and Formal Languages Computer Graphics Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	of Volume 3 -- 1. Tree Languages -- 1. Introduction -- 2. Trees and terms -- 3. Algebraic preliminaries -- 4. Term rewriting systems -- 5. Finite tree recognizers -- 6. Regular tree grammars -- 7. Tree language operations and closure properties of Rec -- 8. Local tree languages -- 9. A Kleene theorem for tree languages -- 10. Regular tree systems -- 11. Algebraic characterizations of recognizability -- 12. Monadic second-order logic and regular tree languages -- 13. Families of special regular tree languages -- 14. The yield-function and context-free languages -- 15. Context-free tree grammars and pushdown tree recognizers -- 16. Tree transformations and tree transducers -- 17. Composition and decomposition of tree transformations -- 18. Tree transducers with regular look-ahead -- 19. Generalized syntax directed translations -- 20. Surface tree languages -- 21. The hierarchies of surface tree languages and transformational languages -- 22. Some further topics -- References -- 2. Tree-Adjoining Grammars -- 1. Introduction -- 2. Tree-adjoining

grammars -- 3. Lexicalized grammars -- 4. 'Lexicalization' of CFGs -- 5. Closure of TAGs under lexicalization -- 6. Summary of lexicalization -- 7. Embedded push-down automaton (EPDA) -- 8. Linguistic relevance -- 9. Some variants of TAGs -- 10. Parsing lexicalized tree-adjoining grammars (LTAG) -- 11. Summary -- References -- 3. Context-Free Graph Grammars -- 1. Introduction -- 2. Node and edge replacement -- 3. Hyperedge replacement grammars -- 4. Node replacement grammars -- 5. Monadic second order logic -- 6. Graph grammars generating strings and trees -- 7. Tree grammars generating graphs -- References -- 4. Two-Dimensional Languages -- 1. Introduction -- 2. Preliminaries -- 3. Regular expressions -- 4. Automata -- 5. Grammars -- 6. Logic formulas -- 7. Tiling systems -- 8. Equivalence theorems -- 9. Properties of recognizable languages -- 10. Recognizable functions -- 11. Beyond finite state recognizability -- References -- 5. Basics of Term Rewriting -- 1. Introduction -- 2. Terms -- 3. Church—Rosser properties -- 4. Orderings -- 5. Completion -- 6. Rewriting modulo a relation -- 7. Sundries -- References and further reading -- 6. ?-Languages -- 1. Introduction -- 2. Topology for languages and ?-languages -- 3. The Chomsky hierarchy of ?-languages -- 4. Languages and ?-languages -- 5. Wagner's hierarchy -- References -- 7. Languages, Automata, and Logic -- 1. Introduction -- 2. Models and formulas -- 3. Automata and MSO-logic on finite words and trees -- 4. First-order definability -- 5. Automata and MSO-logic on infinite words -- 6. Automata and MSO-logic on infinite trees -- References -- 8. Partial Commutation and Traces -- 1. Introduction -- 2. Free partially commutative monoids -- 3. Combinatorial properties -- 4. Recognizable trace languages -- 5. Rational trace languages -- 6. Dependence graphs and logic -- 7. Asynchronous automata -- 8. Infinite traces -- References -- 9. Visual Models of Plant Development -- 1. Introduction -- 2. Developmental models of plant architecture -- 3. Formal description of branching structures -- 4. Fundamentals of modeling using L-systems -- 5. Random factors in development -- 6. Life, death, and reproduction -- 7. Development controlled by endogenous mechanisms -- 8. Development controlled by exogenous mechanisms -- 9. Conclusions -- 10. Acknowledgements -- References -- 10. Digital Images and Formal Languages -- 1. Introduction -- 2. Black and white images and finite automata -- 3. Grayscale images and WFA -- 4. Weighted finite transducers -- 5. Examples of WFT -- References.

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## Sommario/riassunto

The need for a comprehensive survey-type exposition on formal languages and related mainstream areas of computer science has been evident for some years. In the early 1970s, when the book *Formal Languages* by the second-mentioned editor appeared, it was still quite feasible to write a comprehensive book with that title and include also topics of current research interest. This would not be possible anymore. A standard-sized book on formal languages would either have to stay on a fairly low level or else be specialized and restricted to some narrow sector of the field. The setup becomes drastically different in a collection of contributions, where the best authorities in the world join forces, each of them concentrating on their own areas of specialization. The present three-volume Handbook constitutes such a unique collection. In these three volumes we present the current state of the art in formal language theory. We were most satisfied with the enthusiastic response given to our request for contributions by specialists representing various subfields. The need for a Handbook of Formal Languages was in many answers expressed in different ways: as an easily accessible historical reference, a general source of information, an overall course-aid, and a compact collection of material

for self-study. We are convinced that the final result will satisfy such various needs. The theory of formal languages constitutes the stem or backbone of the field of science now generally known as theoretical computer science.

2. Record Nr.	UNINA9910959267903321
Autore	Adams Brian E. <1973->
Titolo	Citizen lobbyists : local efforts to influence public policy / / Brian E. Adams
Pubbl/distr/stampa	Philadelphia, : Temple University Press, 2007
ISBN	9786611093792 9781281093790 1281093793 9781592135714 1592135714
Edizione	[1st ed.]
Descrizione fisica	1 online resource (248 p.)
Disciplina	322.4 324/.40973
Soggetti	Lobbying - United States - States - Citizen participation Local government - United States Lobbying - California - Santa Ana - Citizen participation Santa Ana (Calif.) Politics and government Case studies
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 (p. [219]-228) and index.
Nota di contenuto	Contents; Acknowledgments; PART I. Introduction; 1 Citizen Lobbyists; 2 Citizen Efforts to Influence Local Policy: A Review of the Literature; PART II. Participation Across Local Policies; 3 Policy Characteristics and Patterns of Participation; 4 Policy Entrepreneurs and the Opportunity to Participate; 5 Local Newspapers and Participation; 6 Social Conflict and Participation; PART III. How Citizens Participate; 7 Participatory Strategies and Tactics; 8 Public Meetings and the Democratic Process; 9 The Political Value of Social Networks; PART IV. Conclusion; 10 The Practice of Local Democracy

Sommario/riassunto

Citizen Lobbyists explores how U.S. citizens participate in local government. Although many commentators have lamented the apathy of the American citizenry, Brian Adams focuses on what makes ordinary Americans become involved in and attempt to influence public policy issues that concern them. It connects theory and empirical data in a new and revealing way, providing both a thorough review of the relevant scholarly discussions and a detailed case study of citizen engagement in the politics of Santa Ana, a mid-sized Southern California city. After interviewing more than fifty resid