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Nota di contenuto	Completely Reachable Automata -- Words Avoiding Patterns, Enumeration Problems and the Chomsky Hierarchy -- Heapability, interactive particle systems, partial orders: results and open problems -- Self-Verifying Finite Automata and Descriptional Complexity -- On the State Complexity of Partial Derivative Automata for Regular Expressions with Intersection -- Unrestricted State Complexity of Binary Operations on Regular Languages -- On the State Complexity of the Shue of Regular Languages -- MSO-denable properties of Muller context-free languages are decidable -- Contextual Array Grammars with Matrix and Regular Control -- Descriptional Complexity of Graph-controlled Insertion-deletion Systems -- Operations on Weakly Recognizing Morphisms -- Descriptional Complexity of Bounded

Regular Languages -- The Complexity of Languages Resulting from the Concatenation Operation -- Minimal and Reduced Reversible Automata.

Sommario/riassunto

This book constitutes the refereed proceedings of the 18th International Conference on Descriptive Complexity of Formal Systems, DCFS 2016, held in Bucharest, Romania, in July 2016. The 13 full papers presented together with 4 invited talks were carefully reviewed and selected from 21 submissions. Descriptive Complexity is a field in Computer Science that deals with the size of all kind of objects that occur in computational models, such as Turing Machines, finite automata, grammars, splicing systems and others. The topics of this conference are related to all aspects of descriptive complexity. .