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Palindromes and Anagrams
Language and Automata Theory and Applications
Unconventional Computation
Developments in Language Theory
Mathematical Foundations of Computer Science 1986
Automata Theory and Formal Languages:
Functional Approaches to Language, Culture, and Cognition
Proceedings of the 2023 9th International Conference on Humanities and Social Science Research (ICHSSR 2023)
Developments in Language Theory
Encyclopedia of Computer Science and Technology
Speech Play and Verbal Art
SOFSEM 2015: Theory and Practice of Computer Science
Developments in Language Theory
Language on Vacation
New Monthly Magazine, and Universal Register
The Literature of Nationalism
Language and Automata Theory and Applications

ELLISON JOYCE

Colossal Book of Mathematics No Starch Press

This book constitutes the refereed proceedings of the 29th International Colloquium on Automata, Languages and Programming, ICALP 2002, held in Malaga, Spain, in July 2002. The 83 revised full papers presented together with 7 invited papers were carefully reviewed and selected from a total of 269 submissions. All current aspects of theoretical computer science are addressed and major new results are presented.

What is English? Purdue University Press

This book constitutes the proceedings of the 21st International Conference on Developments in Language Theory, DLT 2017, held in Liège, Belgium, in August 2017. The 24 full papers and 6 (abstract of) invited papers were carefully reviewed and selected from 47 submissions. The papers cover the following topics and areas: combinatorial and algebraic properties of words and languages; grammars acceptors and transducers for strings, trees, graphics, arrays; algebraic theories for automata and languages; codes; efficient text algorithms; symbolic dynamics; decision problems; relationships to complexity theory and logic; picture description and analysis, polyominoes and bidimensional patterns; cryptography; concurrency; cellular automata; bio-inspired computing; quantum computing.

Automata, Languages and Programming KHANNA PUBLISHING HOUSE

This book constitutes the refereed proceedings of the 15th International Conference on Developments in Language Theory, DLT 2011, held in Milano, Italy, in July 2011. The 34 regular papers presented were carefully reviewed and selected from numerous submissions. The volume also contains the papers or abstracts of 5 invited speakers, as well as a 2-page abstract for each of the 7 poster papers. The topics covered include grammars, acceptors and transducers for words, trees and graphs; algebraic theories of automata; codes; symbolic dynamics; algorithmic, combinatorial and algebraic properties of words and languages; decidability questions; applications of language theory, including: natural computing, image manipulation and compression, text algorithms, cryptography, concurrency, complexity theory and logic; cellular automata and multidimensional patterns; language theory aspects of quantum computing and bio-computing.

Secret Language Springer Nature

This book constitutes the proceedings of the 19th International Conference on Developments in Language Theory, DLT 2015, held in Liverpool, UK. The 31 papers presented together with 5 invited talks were carefully reviewed and selected from 54 submissions. Its scope is very general and includes, among others, the following topics and areas: combinatorial and algebraic properties of words and languages, grammars, acceptors and transducers for strings, trees, graphs, arrays, algebraic theories for automata and languages, codes, efficient text algorithms, symbolic dynamics, decision problems, relationships to complexity theory and logic, picture description and analysis, polyominoes and bidimensional patterns, cryptography, concurrency, cellular automata, bio-inspired

computing, and quantum computing.

Cultures and Traditions of Wordplay and Wordplay Research Springer

This book is about language that is designed to mean what it does not seem to mean. Ciphers and codes conceal messages and protect secrets. Symbol and magic hide meanings to delight or imperil. Languages made to baffle and confuse let insiders talk openly without being understood by those beyond the circle. Barry Blake looks at these and many more. He explores the history and uses of the slangs and argots of schools and trades. He traces the centuries-old cants used by sailors and criminals in Britain, among them Polari, the mix of Italian, Yiddish, and slang once spoken among strolling players and circus folk and taken up by gays in the twentieth century. He examines the sacred languages of ancient cults and religions, uncovers the workings of onomancy, spells, and gematria, looks into the obliqueness of allusion and parody, and celebrates the absurdities of euphemism and jargon. *Secret Language* takes the reader on fascinating excursions down obscure byways of language, ranging across time and culture. With revelations on every page it will entertain anyone with an urge to know more about the most arcane and curious uses of language.

Developments in Language Theory Oxford University Press

State of books on compilers The book collects and condenses the experience of years of teaching compiler courses and doing research on formal language theory, on compiler and language design, and to a lesser extent on natural language processing. In the turmoil of information technology developments, the subject of the book has kept the same fundamental principles over half a century, and its relevance for theory and practice is as important as in the early days. This state of affairs of a topic, which is central to computer science and is based on consolidated principles, might lead us to believe that the accompanying textbooks are by now consolidated, much as the classical books on mathematics. In fact this is rather not true: there exist few books on the mathematical aspects of language and automata theory, but the best books on translators are sort of encyclopaedias of algorithms, design methods, and practical know-how used in compiler design. Indeed a compiler is a microcosm, featuring a variety of aspects ranging from algorithmic wisdom to CPU and memory exploitation. As a consequence the textbooks have grown in size, and compete with respect to their coverage of the last developments on programming languages, processor architectures and clever mappings from the former to the latter.

Sourcebooks, Inc.

The book series is dedicated to the study of the multifaceted dynamics of wordplay as an interface phenomenon. The contributions aim to bring together approaches from various disciplines and present case studies on different communicative settings, including everyday language and literary communication, and thus offer fresh perspectives on wordplay in the context of linguistic innovation, language contact, and speaker-hearer-interaction. La collection vise à analyser la diversité de la dynamique du jeu de mots en tant que phénomène d'interface. Les contributions réunissent les approches de différentes disciplines et présentent des études de cas de situations de communication variées, incluant tant le langage quotidien que la communication littéraire. Ainsi, elles offrent de nouvelles perspectives sur le jeu de mots dans le contexte de l'innovation

linguistique, du contact linguistique, et de l'interaction locuteur-interlocuteur. Editorial Board: Salvatore Attardo (Texas A&M University Commerce, USA), Dirk Delabastita (Université de Namur, Belgium), Dirk Geeraerts (Katholieke Universiteit Leuven, Belgium), Raymond W. Gibbs (University of California, Santa Cruz, USA), Alain Rabatel (Université de Lyon 1 /ICAR, UMR 5191, CNRS, Université Lumière-Lyon 2, ENS-Lyon, France), Monika Schmitz-Emans (Ruhr-Universität Bochum, Germany), Deirdre Wilson (University College London, UK)

Developments in Language Theory Springer Science & Business Media

This book has very simple and practical approach to make the understood the concept of automata theory and languages well. There are many solved descriptive problems and objective (multiple choices) questions, which is a unique feature of this book. The multiple choice questions provide a very good platform for the readers to prepare for various competitive exams.

Ava and Pip Springer

This book constitutes the refereed proceedings of the 9th International Conference on Developments in Language Theory, DLT 2005, held in Palermo, Italy in July 2005. The 29 revised full papers presented together with 5 invited papers were carefully reviewed and selected from 73 submissions. All important issues in language theory are addressed including grammars, acceptors, and transducers for strings, graphs, and arrays; efficient text algorithms; algebraic theories for automata and languages; variable-length codes; symbolic dynamics; decision problems; relations to complexity theory and logic; picture description and analysis; cryptography; concurrency; DNA computing; and quantum computing.

Development in Language Theory Springer

No amateur or math authority can be without this ultimate compendium of classic puzzles, paradoxes, and puzzles from America's best-loved mathematical expert. 320 line drawings.

Theory of Computation (With Formal Languages) World Scientific

Ava desperately wants a pet for her eleventh birthday-but gets way more than she bargained for when she adopts T-A-C-O-C-A-T. When Ava Wren hears about an injured yellow tabby with mismatched ears, she becomes obsessed and wants to rescue him. She even picks out a perfect palindromic name: T-A-C-O-C-A-T. But when Taco joins the family, he doesn't snuggle or purr-all he does is hide. Worse, Ava's best friend starts hanging out with Zara, a new girl in fifth grade. Ava feels alone and writes an acclaimed story, "The Cat Who Wouldn't Purr." What begins as exciting news turns into a disaster. How can Ava make things right? And what about sweet, scared little Taco? The New York Times called AVA AND PIP "a love letter to language. " With this second diary, Girls' Life advice columnist Carol Weston hits another home run.

Formal Languages and Compilation Springer

This text presents the formal concepts underlying Computer Science. It starts with a wide introduction to Logic with an emphasis on reasoning and proof, with chapters on Program Verification and Prolog. The treatment of computability with Automata and Formal Languages stands out in several ways: it emphasizes the algorithmic nature of the proofs and the reliance on simulations; it stresses the centrality of nondeterminism in generative models and the relationship to deterministic recognition models. The style is appropriate for both undergraduate and graduate classes.

Impostures Springer

There may be no better way to learn how to program than by dissecting real, representative examples written in your language of choice. *Ruby by Example* analyzes a series of Ruby scripts, examining how the code works, explaining the concepts it illustrates, and showing how to modify it to suit your needs. Baird's examples demonstrate key features of the language (such as inheritance, encapsulation, higher-order functions, and recursion), while simultaneously solving difficult problems (such as validating XML, creating a bilingual program, and creating command-line interfaces). Each chapter builds upon the previous, and each key concept is highlighted in the margin to make it easier for you to navigate the book. You'll learn how to: -Use the interactive Ruby shell (irb) to learn key features of the language -Extend Ruby using RubyGems, the Ruby package manager -Create numerical utilities, as well as utilities that process and analyze HTML/XML -Implement purely functional and metaprogramming techniques to save time and effort -Optimize, profile, and test your code to make sure that it not only does its job, but does it well -Create web applications using Rails Ruby is the fastest growing programming language today, and for good reason: its elegant syntax and readable code make for prolific and happy programmers. But it can be difficult to understand and implement without a little help. *Ruby by Example* shows you how to take advantage of Ruby as you explore Ruby's fundamental concepts in action.

Mathematical Circus Diplomica Verlag

The research results published in this set of proceedings range from pure semigroup theory to theoretical computer science, in particular formal languages and automata. Contributed by internationally recognized researchers, the papers address issues in the algebraic and combinatorial theories of semigroups, the structure theory of automata, the classification theory of formal languages and codes and applications of these theories to various areas like circuit testing, coding theory, or cryptography. The underlying theme is the semigroup and automaton theories and their role in certain applications.

Ruby by Example Oxford University Press

The 9th International Conference on Unconventional Computation, UC 2010, was organized under the auspices of EATCS and Academia Europaea, by the University of Tokyo (Tokyo, Japan), and the Center for Discrete Mathematics and Theoretical Computer Science (Auckland, New Zealand). It was held in Tokyo during June 21-25, 2010 (see <http://arn.local.frs.riken.jp/UC10/>). The venue was the Sanjo (Hilltop) Conference Hall at Hongo Campus of the University of Tokyo. Hongo Campus was formerly the residence of the Maeda family, one of the richest feudal lords in the Edo period of Japan. The Japanese garden in the residence is partially preserved, including the pond and the hill on which the conference hall is located. Within walking distance from Hongo Campus are Ueno park with many museums, the Akihabara area, which is now the center of Japanese pop culture, and the Korakuen amusement park/baseball stadium. The International Conference on Unconventional Computation (UC) series (see <http://www.cs.auckland.ac.nz/CDMTCS/conferences/uc/>) is devoted to all aspects of unconventional computation — theory as well as experiments and applications. Typical, but not exclusive, topics are: natural computing including quantum, cellular, molecular, membrane, neural, and evolutionary computing, as well as chaos and dynamical system-based computing, and various proposals for computational mechanisms that go beyond the Turing model.

Strings of Natural Languages World Scientific Publishing Company

Palindromes, charades, anagrams, and other word games are presented together with notes on their historical background

Arteletra John Wiley & Sons

A word is said to be primitive if it cannot be represented as any power of another word. It is a well-known conjecture that the set of all primitive words Q over a non-trivial alphabet is not context-free: this conjecture is still open. In this book, the authors deal with properties of primitive words over a non-primitive alphabet, the language consisting of all primitive words and related languages.

Moreover, some decidable and undecidable problems with respect to the above languages are discussed as well. As another try, a search for a non-phrase structure grammar which generates Q is performed. Contents: Preliminaries Combinatorial Properties of Words and Languages Rewriting Systems Iteration Lemmata Other Characterizations of Context-Free Languages Bounded and Palindromic Languages Further Combinatorial Investigations on Primitive Words Some Properties of the Language of Primitive Words Primitive Words in Languages Kászonyi-Katsura Theory Derivating Primitive Words Decidability, Roots, Multisets Context-Free Languages and Non-primitive Words Primitive Words and Palindromes Marcus Contextual Grammars and Primitive Words Appendices Readership: Researchers, lecturers, senior undergraduates and graduate students in theoretical computer science. Keywords: Word; Language; Context-Free; Primitive Word

Context-Free Languages and Primitive Words John Benjamins Publishing

Martin Gardner's Mathematical Games columns in *Scientific American* inspired and entertained several generations of mathematicians and scientists. Gardner in his crystal-clear prose illuminated corners of mathematics, especially recreational mathematics, that most people had no idea existed. His playful spirit and inquisitive nature invite the reader into an exploration of beautiful

mathematical ideas along with him. These columns were both a revelation and a gift when he wrote them; no one--before Gardner--had written about mathematics like this. They continue to be a marvel. This volume, first published in 1979, contains columns published in the magazine from 1968-1971. This 1992 MAA edition contains a foreword by Donald Knuth and a postscript and extended bibliography added by Gardner for this edition.

Language and Automata Theory and Applications Springer Science & Business Media

Tim Machan explores the nature of English present and past, and its role in shaping the identity of those who speak it. He pursues his object through episodes in its history around the globe, from Caxton to Churchill and from rural America to colonial Australia. This is a book for everyone interested in English and the role of language in society

A Companion to Contemporary British and Irish Poetry, 1960 - 2015 Springer Science & Business Media

Puns, jokes, proverbs, riddles, play languages, verbal dueling, parallelism, metaphor, grammatical stretching and manipulation in poetry and song— people around the world enjoy these forms of speech play and verbal artistry which form an intrinsic part of the fabric of their lives. Verbal playfulness is not a frivolous pursuit. Often indicative of people's deepest values and worldview, speech play is a significant site of intersection among language, culture, society, and individual expression. In this book, Joel Sherzer examines many kinds of speech play from places as diverse as the United States, France, Italy, Bali, and Latin America to offer the first full-scale study of speech play and verbal art. He brings together various speech-play forms and processes and shows what they have in common and how they overlap. He also demonstrates that speech play explores and indeed flirts with the boundaries of the socially, culturally, and linguistically possible and appropriate, thus making it relevant for anthropological and linguistic theory and practice, as well as for folklore and literary criticism.

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