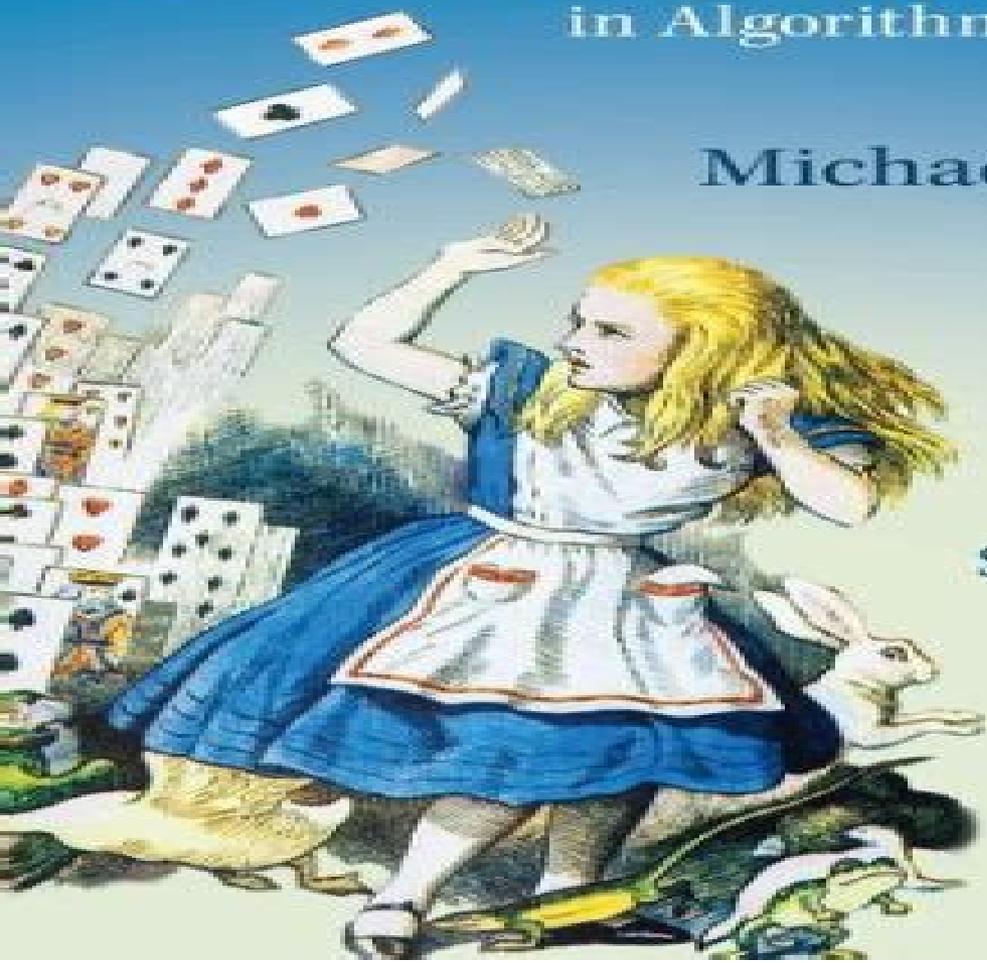


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The Nature of Computation Cristopher Moore, Stephan Mertens, 2011-08-12 Computational complexity is

one of the most beautiful fields of modern mathematics and it is increasingly relevant to other sciences ranging from physics to biology But this beauty is often buried underneath layers of unnecessary formalism and exciting recent results like interactive proofs phase transitions and quantum computing are usually considered too advanced for the typical student This book bridges these gaps by explaining the deep ideas of theoretical computer science in a clear and enjoyable fashion making them accessible to non computer scientists and to computer scientists who finally want to appreciate their field from a new point of view The authors start with a lucid and playful explanation of the P vs NP problem explaining why it is so fundamental and so hard to resolve They then lead the reader through the complexity of mazes and games optimization in theory and practice randomized algorithms interactive proofs and pseudorandomness Markov chains and phase transitions and the outer reaches of quantum computing At every turn they use a minimum of formalism providing explanations that are both deep and accessible The book is intended for graduate and undergraduate students scientists from other areas who have long wanted to understand this subject and experts who want to fall in love with this field all over again

Distributed Computing Nancy A. Lynch,Alexander A. Shvartsman,2010-09 This book constitutes the refereed proceedings of the 24th International Symposium on Distributed Computing DISC 2010 held in Cambridge CT USA in September 2010 The 32 revised full papers selected from 135 submissions are presented together with 14 brief announcements of ongoing works all of them were carefully reviewed and selected for inclusion in the book The papers address all aspects of distributed computing and were organized in topical sections on transactions shared memory services and concurrency wireless networks best student paper consensus and leader election mobile agents computing in wireless and mobile networks modeling issues and adversity and self stabilizing and graph algorithms *PODC'08* ,2008 *Journal of the American Statistical Association* ,2006 A scientific and educational journal not only for professional statisticians but also for economists business executives research directors government officials university professors and others who are seriously interested in the application of statistical methods to practical problems in the development of more useful methods and in the improvement of basic statistical data **American Book Publishing Record** ,2003 **Mathematical Reviews** ,2006 **Mathematics Today** ,2007 *SPAA* ,2000 *Annual ACM Symposium on Parallel Algorithms and Architectures* ,2000 **Solutions Manual for Probability and Statistics for Computer Scientists** Baron Michael,Baron Michael Staff,2006-08 *Solutions Manual for Essentials of Probability* Arthur Yaspan,1968 **Introduction to Probability - Solutions Manual** Aunon, **Exercises and Solutions Manual for Integration and Probability** Gérard Letac,L. Kay,1995-06-01 *Solutions Manual for the Structure of Probability Theory with Applications* Aram J. Thomasian,1969 *50 Challenging Problems in probability with solutions* ,1987

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