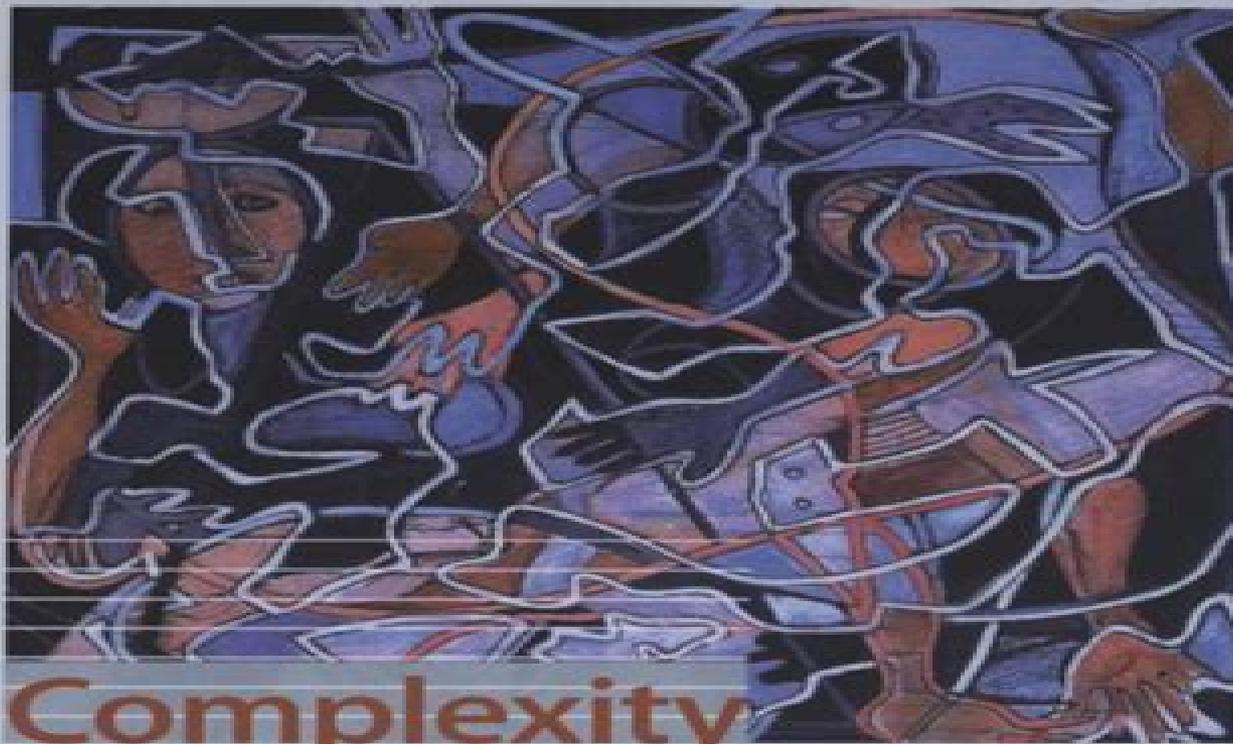


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Combinatorial
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Complexity and Approximation Giorgio Ausiello, Pierluigi Crescenzi, Giorgio Gambosi, Viggo Kann, Alberto Marchetti-Spaccamela, Marco Protasi, 2002-12-03 This book documents the state of the art in combinatorial optimization presenting approximate solutions of virtually all relevant classes of NP hard optimization problems The wealth of problems algorithms results and techniques make it an indispensable source of reference for professionals The text smoothly integrates numerous illustrations examples and exercises

Mathematical Foundations of Computer Science 2004 Jirí Fiala, Václav Koubek, Jan Kratochvíl, 2004-08-09 This volume contains the papers presented at the 29th Symposium on Mathematical Foundations of Computer Science MFCS 2004 held in Prague Czech Republic August 22-27 2004 The conference was organized by the Institute for Theoretical Computer Science ITI and the Department of Theoretical Computer Science and Mathematical Logic KTIML of the Faculty of Mathematics and Physics of Charles University in Prague It was supported in part by the European Association for Theoretical Computer Science EATCS and the European Research Consortium for Informatics and Mathematics ERCIM Traditionally the MFCS symposia encourage high quality research in all branches of theoretical computer science Ranging in scope from automata formal languages data structures algorithms and computational geometry to complexity theory models of computation and applications including computational biology cryptography security and artificial intelligence the conference offers a unique opportunity to researchers from diverse areas to meet and present their results to a general audience The scientific program of this year's MFCS took place in the lecture

halls of the recently reconstructed building of the Faculty of Mathematics and Physics in the historical center of Prague with the famous Prague Castle and other celebrated historical monuments in sight. The view from the windows was a challenging competition for the speakers in the night for the attention of the audience. But we did not fear the result. Due to the unusually tough competition for this year's MFCS the admitted presentations certainly attracted considerable interest. The conference program and the proceedings consisted of 60 contributed papers selected by the Program Committee from a total of 167 submissions.

Development of an Algorithm for the Taktline Layout of Synchronized Job Shop Production Antonia Fels, 2019-03-11 In job shop production the change towards synchronized job shop production which is based on the concept of so called taktlines has been shown to enhance efficiency. In this dissertation an algorithm for the taktline layout is developed following a multi objective approach. The algorithm consists of two sequential discrete optimization problems namely a modified Substring Cover Problem and a partitioning Cluster Analysis including a Multiple Sequence Alignment. For an overall validation real world data from tool manufacturers are subject to the proposed algorithm.

Computer Aided Systems Theory - EUROCAST 2003 Roberto Moreno Diaz, 2003-10-13 This book constitutes the thoroughly refereed post proceedings of the 9th International Workshop on Computer Aided Systems Theory EUROCAST 2003 held in Las Palmas de Gran Canaria Spain in February 2003. The 60 revised full papers presented were carefully selected during two rounds of reviewing and improvement. The papers are organized in topical sections on complex systems tools and applications logic and formal tools social and intelligent systems distributed computing autonomous and control systems computational methods in bioinformatics natural and artificial neural networks neuroinformatics and neuroimaging and image processing.

Fundamentals of Computation Theory Maciej Liskiewicz, Rüdiger Reischuk, 2005-08-04 This book constitutes the refereed proceedings of the 15th International Symposium Fundamentals of Computation Theory FCT 2005 held in Lebeck Germany in August 2005. The 46 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 105 submissions. The papers are organized in topical sections on circuits automata complexity approximability computational and structural complexity graphs and complexity computational game theory visual cryptography and computational geometry query complexity distributed systems automata and formal languages semantics approximation algorithms average case complexity algorithms graph algorithms and pattern matching.

Integer Programming and Combinatorial Optimization, 2004 **Combinatorial Optimization and Theoretical Computer Science** Vangelis Th. Paschos, 2008-04-04 This volume is dedicated to the theme Combinatorial Optimization Theoretical Computer Science Interfaces and Perspectives and has two main objectives the first is to show that bringing together operational research and theoretical computer science can yield useful results for a range of applications while the second is to demonstrate the quality and range of research conducted by the LAMSADE in these areas.

Automata, Languages and Programming Peter Widmayer, Francisco Triguero, Rafael Morales, Matthew Hennessy, Stephan Eidenbenz, Ricardo Conejo, 2003-08-03 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

The Distribution of Values in Combinatorial Optimization Problems Tamon Stephen,2002
Computer Aided Systems Theory - EUROCAST 2005 Roberto Moreno-Díaz,Franz Pichler,Alexis Quesada Arencibia,2005-09-22 This book constitutes the thoroughly refereed post proceedings of the 10th International Conference on Computer Aided Systems Theory EUROCAST 2005 held in Las Palmas de Gran Canaria Spain in February 2005 The 83 revised full papers presented were carefully reviewed and selected for inclusion in the book The papers are organized in topical sections on formal approaches in modelling intelligent information systems information applications components cryptography and spectral analysis computer vision biocomputing intelligent vehicular systems robotic soccer robotics and control

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