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Jan Kratochvíl (Eds.)

Mathematical Foundations of Computer Science 2004

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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 Mat matical 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 Com terScienceandMathematicalLogic KTIML oftheFacultyofMathematicsand Physics of Charles University in Prague It was supported in part by the Eu pean 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 f mal languages data structures algorithms and computational geometry to c plexitytheory modelsofcomputation andapplicationsincludingcomputational biology cryptography security and arti cial intelligence the conference o ers a unique opportunity to researchers from diverse areas to meet and present their results to a general audience The scienti c program of this year s MFCS took place in the lecture halls of the recently reconstructed building of the Faculty of Mathematics and P sics in the historical center of Prague with the famous Prague Castle and other celebratedhistoricalmonumentsinsight Theviewfromthewindowswasach lengingcompetitionforthespeakersinthe ghtfortheattentionoftheaudience But we did not fear the result Due to the unusually tough competition for this year s MFCS the admitted presentations certainly attracted considerable in rest The conference program and the proceedings consisted of 60 contributed papers selected by the Program Committee from a total of 167 submissions Mathematical Foundations of Computer Science 1995 Jiri Wiedermann,Petr Hajek,1995-08-16 This book presents the proceedings of the 20th International Symposium on Mathematical Foundations of Computer Science MFCS 95 held in Prague Czech Republic in August September 1995 The book contains eight invited papers and two abstracts of invited talks by outstanding scientists as well as 44 revised full research papers selected from a total of 104 submissions All relevant aspects of theoretical computer science are addressed particularly the mathematical foundations the papers are organized in sections on structural complexity algorithms complexity theory graphs in models of computation lower bounds formal languages unification rewriting and type theory distributed computation concurrency semantics model checking and formal calculi **Mathematical Foundations of Computer Science 1995** Jiri Wiedermann,Petr Hajek,1995-08-16 This book presents the proceedings of the 20th International Symposium on Mathematical Foundations of Computer Science MFCS 95 held in Prague Czech Republic in August September 1995 The book contains eight invited papers and two abstracts of invited talks by outstanding scientists as well as 44 revised full research papers selected from a total of 104 submissions All relevant aspects of theoretical computer science are addressed particularly the mathematical foundations the papers are organized in sections on structural

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