

Contents

Preface	iii
Synchronizing Automata	
From Directable Automata to Position Identification of Moving Agents in Networks	3
<i>Jan Černý, Anna Černá</i>	
Note to Effective and Efficient Position Identification of Moving Agents in Locally Planar Networks	13
<i>Anna Černá, Jan Černý, Alica Kelemenová</i>	
Some Computations Related to Černý's Conjecture	18
<i>Jozef Jirásek</i>	
Subset Synchronizability in Eulerian Automata Is NP-Hard	24
<i>Vojtěch Vorel</i>	
Optimization Problems	
Square on Unary Regular Languages	39
<i>Kristína Čevorová, Galina Jirásková</i>	
On the Boundary of Regular Languages	44
<i>Jozef Jirásek, Galina Jirásková</i>	
Note on Pref x -Free Languages: Right Quotient and Reversal	58
<i>Jozef Jirásek, Galina Jirásková, Monika Krausová, Peter Mlynárčik, Juraj Šebej</i>	
Square on Languages Represented by Deterministic and Alternating Finite Automata	67
<i>Galina Jirásková, Ivana Krajňáková</i>	
Complement on Pref x -Free, Suff x -Free, and Non-Returning NFA Languages ...	74
<i>Peter Mlynárčik</i>	
Kleene Closure on Regular and Pref x -Free, Pref x -Closed Languages	83
<i>Matúš Palmovský</i>	