

# Table of Contents

Inference of Finite-State Transducers by Using Regular Grammars and Morphisms .....	1
<i>Francisco Casacuberta</i>	
Computational Complexity of Problems on Probabilistic Grammars and Transducers .....	15
<i>Francisco Casacuberta and Colin de la Higuera</i>	
Efficient Ambiguity Detection in C-NFA, a Step Towards the Inference of Non Deterministic Automata .....	25
<i>François Coste and Daniel Fredouille</i>	
Learning Regular Languages Using Non Deterministic Finite Automata ...	39
<i>François Denis, Aurélien Lemay, and Alain Terlutte</i>	
Smoothing Probabilistic Automata: An Error-Correcting Approach.....	51
<i>Pierre Dupont and Juan-Carlos Amengual</i>	
Inferring Subclasses of Contextual Languages .....	65
<i>J.D. Emerald, K.G. Subramanian, and D.G. Thomas</i>	
Permutations and Control Sets for Learning Non-regular Language Families	75
<i>Henning Fernau and José M. Sempere</i>	
On the Complexity of Consistent Identification of Some Classes of Structure Languages .....	89
<i>Christophe Costa Florêncio</i>	
Computation of Substring Probabilities in Stochastic Grammars .....	103
<i>Ana L. N. Fred</i>	
A Comparative Study of Two Algorithms for Automata Identification ....	115
<i>P. García, A. Cano, and J. Ruiz</i>	
The Induction of Temporal Grammatical Rules from Multivariate Time Series .....	127
<i>Gabriela Guimarães</i>	
Identification in the Limit with Probability One of Stochastic Deterministic Finite Automata .....	141
<i>Colin de la Higuera and Franck Thollard</i>	
Iterated Transductions and Efficient Learning from Positive Data: A Unifying View .....	157
<i>Satoshi Kobayashi</i>	

An Inverse Limit of Context-Free Grammars - A New Approach to Identifiability in the Limit .....	171
Pavel, Martinek	
Synthesizing Context Free Grammars from Sample Strings Based on Inductive CYK Algorithm.....	186
Katsuhiko Nakamura and Takashi Ishitwata	
Combination of Estimation Algorithms and Grammatical Inference Techniques to Learn Stochastic Context-Free Grammars .....	196
Francisco Nevado, Joan-Andreu Sánchez, and José-Miguel Benedí	
On the Relationship between Models for Learning in Helpful Environments	207
Rajesh Parekh and Vasant Honavar	
Probabilistic $k$ -Testable Tree Languages .....	221
Juan Ramón Rico-Juan, Jorge Calera-Rubio, and Rafael C. Carrasco	
Learning Context-Free Grammars from Partially Structured Examples .....	229
Yasubumi Sakakibara and Hidenori Muramatsu	
Identification of Tree Translation Rules from Examples .....	241
Hiroshi Sakamoto, Hiroki Arimura, and Setsuo Arikawa	
Counting Extensional Differences in BC-Learning .....	256
Frank Stephan and Sebastiaan A. Terwijn	
Constructive Learning of Context-Free Languages with a Subpansive Tree .	270
Noriko Sugimoto, Takashi Toyoshima, Shinichi Shimozono, and Kouichi Hirata	
A Polynomial Time Learning Algorithm of Simple Deterministic Languages via Membership Queries and a Representative Sample .....	284
Yasuhiro Tajima and Etsuji Tomita	
Improve the Learning of Subsequential Transducers by Using Alignments and Dictionaries .....	298
Juan Miguel Vilar	
<b>Author Index .....</b>	<b>313</b>



<http://www.springer.com/978-3-540-41011-9>

Grammatical Inference: Algorithms and Applications

5th International Colloquium, ICGI 2000, Lisbon,

Portugal, September 11-13, 2000 Proceedings

Oliveira, A.L. (Ed.)

2000, VIII, 316 p., Softcover

ISBN: 978-3-540-41011-9