Computational Linguistics

Special Issue on Finite-State Methods in NLP

Introduction to the Special Issue on Finite-State Methods in NLP
Lauri Karttunen and Kemal Oflazer

Articles

Incremental Construction of Minimal Acyclic Finite-State Automata
Jan Daciuk, Stoyan Mihov, Bruce W. Watson, and Richard E. Watson

Practical Experiments with Regular Approximation of Context-Free Languages
Mark-Jan Nederhof

Learning Dependency Translation Models as Collections of Finite-State Head Transducers
Hiyan Alshawi, Srinivas Bangalore, and Shona Douglas

Treatment of Epsilon Moves in Subset Construction
Gertjan van Noord

Multitiered Nonlinear Morphology Using Multitape Finite Automata: A Case Study on Syriac and Arabic
George Anton Kiraz

Published Quarterly by the MIT Press for the Association for Computational Linguistics
Computational Linguistics

Special Issue on Finite-State Methods in NLP

Introduction to the Special Issue on Finite-State Methods in NLP
Lauri Karttunen and Kemal Oflazer 1

Articles

Incremental Construction of Minimal Acyclic Finite-State Automata
Jan Daciuk, Stoyan Mihov, Bruce W. Watson, and Richard E. Watson 3

Practical Experiments with Regular Approximation of Context-Free Languages
Mark-Jan Nederhof 17

Learning Dependency Translation Models as Collections of Finite-State Head Transducers
Hiyan Alshawi, Srinivas Bangalore, and Shona Douglas 45

Treatment of Epsilon Moves in Subset Construction
Gertjan van Noord 61

Multitiered Nonlinear Morphology Using Multitape Finite Automata: A Case Study on Syriac and Arabic
George Anton Kiraz 77