

Table of Contents

Invited Talk

Rewriting Logic and Maude: Concepts and Applications	1
<i>José Meseguer</i>	

Invited Tutorial

Tree Automata and Term Rewrite Systems (Extended Abstract)	27
<i>Sophie Tison</i>	

Regular Papers

Absolute Explicit Unification	31
<i>Nikolaj Bjørner and César Muñoz</i>	
Termination and Confluence of Higher-Order Rewrite Systems	47
<i>Frédéric Blanqui</i>	
A de Bruijn Notation for Higher-Order Rewriting (Extended Abstract) . . .	62
<i>Eduardo Bonelli, Delia Kesner, and Alejandro Ríos</i>	
Rewriting Techniques in Theoretical Physics	80
<i>Evelyne Contejean, Antoine Coste, and Benjamin Monate</i>	
Normal Forms and Reduction for Theories of Binary Relations	95
<i>Dan Dougherty and Claudio Gutiérrez</i>	
Parallelism Constraints	110
<i>Katrin Erk and Joachim Niehren</i>	
Linear Higher-Order Matching Is NP-Complete	127
<i>Philippe de Groote</i>	
Standardization and Confluence for a Lambda Calculus with Generalized Applications	141
<i>Felix Joachimski and Ralph Matthes</i>	
Linear Second-Order Unification and Context Unification with Tree-Regular Constraints	156
<i>Jordi Levy and Mateu Villaret</i>	
Word Problems and Confluence Problems for Restricted Semi-Thue Systems	172
<i>Markus Lohrey</i>	

The Explicit Representability of Implicit Generalizations	187
<i>Reinhard Pichler</i>	
On the Word Problem for Combinators	203
<i>Rick Statman</i>	
An Algebra of Resolution	214
<i>Georg Struth</i>	
Deriving Theory Superposition Calculi from Convergent Term Rewriting Systems	229
<i>Jürgen Stuber</i>	
Right-Linear Finite Path Overlapping Term Rewriting Systems Effectively Preserve Recognizability	246
<i>Toshinori Takai, Yuichi Kaji, and Hiroyuki Seki</i>	
System Descriptions	
System Description: The Dependency Pair Method	261
<i>Thomas Arts</i>	
REM (Reduce Elan Machine): Core of the New ELAN Compiler	265
<i>Pierre-Etienne Moreau</i>	
TALP: A Tool for the Termination Analysis of Logic Programs	270
<i>Enno Ohlebusch, Claus Claves, and Claude Marché</i>	
Author Index	275

<http://www.springer.com/978-3-540-67778-9>

Rewriting Techniques and Applications

11th International Conference, RTA 2000, Norwich, UK,

July 10-12, 2000 Proceedings

Bachmair, L. (Ed.)

2000, X, 282 p., Softcover

ISBN: 978-3-540-67778-9