

Table of Contents

Semantics and Types in Functional Logic Programming	1
<i>J. C. González-Moreno, M. T. Hortalá-González and M. Rodríguez-Artalejo</i>	
Polytypic Programming With Ease (Extended Abstract)	21
<i>Ralf Hinze</i>	
Type Inference for Overloading without Restrictions, Declarations or Annotations	37
<i>Carlos Camarão and Lucília Figueiredo</i>	
Partial Evaluation and Non-interference for Object Calculi	53
<i>Gilles Barthe and Bernard P. Serpette</i>	
Lazy Lexing is Fast	68
<i>Manuel M. T. Chakravarty</i>	
A Functional-Logic Perspective of Parsing	85
<i>Rafael Caballero and Francisco J. López-Fraguas</i>	
Implementing Encapsulated Search for a Lazy Functional Logic Language	100
<i>Wolfgang Lux</i>	
Comparison of Deforestation Techniques for Functional Programs and for Tree Transducers	114
<i>Armin Kühnemann</i>	
Automatic Verification Based on Abstract Interpretation	131
<i>Mizuhito Ogawa</i>	
A Transformation System for Lazy Functional Logic Programs	147
<i>María Alpuente, Moreno Falaschi, Ginés Moreno and Germán Vidal</i>	
Termination Analysis of Tabled Logic Programs Using Mode and Type Information	163
<i>Sofie Verbaeten and Danny De Schreye</i>	
On Quasi-Reductive and Quasi-Simplifying Deterministic Conditional Rewrite Systems	179
<i>Enno Ohlebusch</i>	
An Interval Lattice-Based Constraint Solving Framework for Lattices	194
<i>Antonio J. Fernández and Patricia M. Hill</i>	
Higher Order Matching for Program Transformation	209
<i>Oege de Moor and Ganesh Sittampalam</i>	

Automated Generalisation of Function Definitions	225
<i>Adam Bakewell and Colin Runciman</i>	
An Extensional Characterization of Lambda-Lifting and Lambda-Dropping	241
<i>Olivier Danvy</i>	
Using Types as Approximations for Type Checking Prolog Programs	251
<i>Christoph Beierle and Gregor Meyer</i>	
Typed Static Analysis: Application to Groundness Analysis of PROLOG and λ PROLOG	267
<i>Olivier Ridoux, Patrice Boizumault and Frédéric Malésieux</i>	
A Space Efficient Engine for Subsumption-Based Tabled Evaluation of Logic Programs	284
<i>Ernie Johnson, C. R. Ramakrishnan, I. V. Ramakrishnan and Prasad Rao</i>	
The Logical Abstract Machine: A Curry-Howard Isomorphism for Machine Code	300
<i>Atsushi Otori</i>	
On Reducing the Search Space of Higher-Order Lazy Narrowing	319
<i>Mircea Marin, Tetsuo Ida and Taro Suzuki</i>	
Typed Higher-Order Narrowing without Higher-Order Strategies	335
<i>Sergio Antoy and Andrew Tolmach</i>	
A Semantics for Program Analysis in Narrowing-Based Functional Logic Languages	353
<i>Michael Hanus and Salvador Lucas</i>	
Author Index	369

Functional and Logic Programming

4th Fuji International Symposium, FLOPS'99 Tsukuba,

Japan, November 11-13, 1999 Proceedings

Middeldorp, A.; Sato, T. (Eds.)

1999, X, 378 p., Softcover

ISBN: 978-3-540-66677-6