

Table of Contents

Ecological Partial Deduction: Preserving Characteristic Trees Without Constraints	1
<i>Michael Leuschel</i>	
Memoing Evaluation by Source-to-Source Transformation	17
<i>Jens E. Wunderwald</i>	
Transformation of Left Terminating Programs: The Reordering Problem	33
<i>Annalisa Bossi, Nicoletta Cocco, and Sandro Etalle</i>	
Derivation of Concurrent Algorithms in Tempo	46
<i>Steve Gregory</i>	
An Argumentation-Theoretic Approach to Logic Program Transformation	61
<i>Francesca Toni and Robert A. Kowalski</i>	
Complexity of Horn Programs	76
<i>Erik Aarts</i>	
Studying the Cost of Logic Languages in an Abstract Interpretation Framework for Granularity Analysis	91
<i>M.M. Gallardo and J.M. Troya</i>	
Towards Automatic Control for CLP(χ) Programs	106
<i>Fred Mesnard</i>	
Ideal Refinement of Datalog Programs	120
<i>Giovanni Semeraro, Floriana Esposito, and Donato Malerba</i>	
Guiding Program Development Systems by a Connection Based Proof Strategy	137
<i>Cristoph Kreitz, Jens Otten, and Stephan Schmitt</i>	
Towards an Object-Oriented Methodology for Deductive Synthesis of Logic Programs	152
<i>Kung-Kiu Lau and Mario Ornaghi</i>	
Logic Program Synthesis by Induction over Horn Clauses	170
<i>Andrew J. Parkes and Geraint A. Wiggins</i>	
Logic Program Transformation Through Generalization Schemata	171
<i>Pierre Flener and Yves Deville</i>	

An Opportunistic Approach for Logic Program Analysis and Optimisation Using Enhanced Schema-Based Transformations	174
<i>Wamberto W. Vasconcelos and Norbert E. Fuchs</i>	
Solving Deductive Planning Problems Using Program Analysis and Transformation	189
<i>D.A. de Waal and M. Thielscher</i>	
Towards a Complete Proof Procedure to Prove Properties of Normal Logic Programs Under the Completion	204
<i>Sophie Renault</i>	
Termination of Logic Programs Using Semantic Unification	219
<i>Thomas Arts and Hans Zantema</i>	
On the Mechanics of Metasystem Hierarchies in Program Transformation	234
<i>Robert Glück</i>	
Efficient Translation of Lazy Functional Logic Programs into Prolog	252
<i>Michael Hanus</i>	
Author Index	267