Table of Contents

RELVIEW and RATH – Two Systems for Dealing with Relations ......... 1
  Rudolf Berghammer, Gunther Schmidt, and Michael Winter

The GUHA Method and Foundations of (Relational) Data Mining ....... 17
  Petr Hájek, Martin Holeňa, and Jan Rauch

Mechanised Reasoning and Model Generation
for Extended Modal Logics ........................................ 38
  Renate A. Schmidt and Ulrich Hustadt

Theory Extraction in Relational Data Analysis ...................... 68
  Gunther Schmidt

An Environment for Specifying Properties of Dyadic Relations
and Reasoning about Them. I: Language Extension Mechanisms ....... 87
  Pasquale Caianiello, Stefania Costantini, and Eugenio G. Omodeo

Consistent Representation of Rankings ................................ 107
  Kim Cao-Van and Bernard De Baets

Axiomatic and Strategic Approaches to Bargaining Problems ........ 124
  Agnieszka Rusinowska

Categoric and Ordinal Voting: An Overview ......................... 147
  Harrie de Swart, Ad van Deemen, Eliora van der Hout, and Peter Kop

Relational Models of Lambek Logics .................................. 196
  Wojciech Buszkowski

Approximation Operators in Qualitative Data Analysis ............... 214
  Ivo Düntsch and Günther Gediga

Lattice-Based Relation Algebras and Their Representability ........... 231
  Ivo Düntsch, Ewa Orłowska, and Anna Maria Radzikowska

Binary Multirelations .................................................. 256
  Ingrid Rewitzky

Author Index ............................................................ 273
Theory and Applications of Relational Structures as Knowledge Instruments
COST Action 274, TARSKI, Revised Papers
Swart, H. de; Orłowska, E.; Schmidt, G.; Roubens, M. (Eds.)
2003, VIII, 280 p., Softcover
ISBN: 978-3-540-20780-1