

1. Record Nr.	UNINA9910767528903321
Titolo	Formal Concept Analysis : 5th International Conference, ICFCA 2007, Clermont-Ferrand, France, February 12-16, 2007, Proceedings // edited by Sergei O. Kuznetsov, Stefan Schmidt
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	1-280-90217-5 9786610902170 3-540-70901-0
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (X, 329 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 4390
Disciplina	511.33
Soggetti	Artificial intelligence Computer science - Mathematics Discrete mathematics Machine theory Software engineering Data mining Algebra Artificial Intelligence Discrete Mathematics in Computer Science Formal Languages and Automata Theory Software Engineering Data Mining and Knowledge Discovery Order, Lattices, Ordered Algebraic Structures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Relational Galois Connections -- Semantology as Basis for Conceptual Knowledge Processing -- A New and Useful Syntactic Restriction on Rule Semantics for Tabular Datasets -- A Proposal for Combining Formal Concept Analysis and Description Logics for Mining Relational Data -- Computing Intensions of Digital Library Collections -- Custom Asymmetric Page Split Generalized Index Search Trees and Formal

Concept Analysis -- The Efficient Computation of Complete and Concise Substring Scales with Suffix Trees -- A Parameterized Algorithm for Exploring Concept Lattices -- About the Lossless Reduction of the Minimal Generator Family of a Context -- Some Notes on Pseudo-closed Sets -- Performances of Galois Sub-hierarchy-building Algorithms -- Galois Connections Between Semimodules and Applications in Data Mining -- On Multi-adjoint Concept Lattices: Definition and Representation Theorem -- Base Points, Non-unit Implications, and Convex Geometries -- Lattices of Relatively Axiomatizable Classes -- A Solution of the Word Problem for Free Double Boolean Algebras -- On the MacNeille Completion of Weakly Dicomplemented Lattices -- Polynomial Embeddings and Representations -- The Basic Theorem on Labelled Line Diagrams of Finite Concept Lattices -- Bipartite Ferrers-Graphs and Planar Concept Lattices.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Formal Concept Analysis, ICFCA 2007, held in Clermont-Ferrand, France in February 2007. The 19 revised full papers presented together with 1 invited lecture comprise state of the art research from foundational to applied lattice theory and related fields, all of which involve methods and techniques of formal concept analysis.
