1. Record Nr. UNISA996465782403316

Titolo	Formal Concept Analysis [[electronic resource]] : Foundations and Applications / / edited by Bernhard Ganter, Gerd Stumme, Rudolf Wille
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	3-540-31881-X 3-540-27891-5
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 349 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 3626
Disciplina	511.3/3
Soggetti	Artificial intelligence Software engineering Mathematical logic Computer science—Mathematics Information storage and retrieval Artificial Intelligence Software Engineering Mathematical Logic and Formal Languages Discrete Mathematics in Computer Science Information Storage and Retrieval
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	Foundations -- Formal Concept Analysis as Mathematical Theory of Concepts and Concept Hierarchies -- Semiconcept and Protoconcept Algebras: The Basic Theorems -- Features of Interaction Between Formal Concept Analysis and Algebraic Geometry -- From Formal Concept Analysis to Contextual Logic -- Contextual Attribute Logic of Many-Valued Attributes -- Treating Incomplete Knowledge in Formal Concept Analysis -- States, Transitions, and Life Tracks in Temporal Concept Analysis -- Applications -- Linguistic Applications of Formal Concept Analysis -- Using Concept Lattices for Text Retrieval and Mining -- Efficient Mining of Association Rules Based on Formal Concept Analysis -- Galois Connections in Data Analysis: Contributions from the Soviet Era and Modern Russian Research -- Conceptual

Knowledge Processing in the Field of Economics -- Software Engineering -- A Survey of Formal Concept Analysis Support for Software Engineering Activities -- Concept Lattices in Software Analysis -- Formal Concept Analysis Used for Software Analysis and Modelling -- Formal Concept Analysis-Based Class Hierarchy Design in Object-Oriented Software Development -- The ToscanaJ Suite for Implementing Conceptual Information Systems.

Sommario/riassunto

Formal concept analysis has been developed as a field of applied mathematics based on the mathematization of concept and concept hierarchy. It thereby allows us to mathematically represent, analyze, and construct conceptual structures. The formal concept analysis approach has been proven successful in a wide range of application fields. This book constitutes a comprehensive and systematic presentation of the state of the art of formal concept analysis and its applications. The first part of the book is devoted to foundational and methodological topics. The contributions in the second part demonstrate how formal concept analysis is successfully used outside of mathematics, in linguistics, text retrieval, association rule mining, data analysis, and economics. The third part presents applications in software engineering.

2. Record Nr. UNISA996211403703316

Autore	Nebel Wolfgang
Titolo	ISLPED '06 : proceedings of the 2006 International Symposium on Low Power Electronics and Design, Tegernsee, Germany, October 4-6, 2006
Pubbl/distr/stampa	[Place of publication not identified], : Association for Computing Machinery, 2006
Descrizione fisica	1 online resource (446 p.;)
Collana	ACM Conferences
Soggetti	Low voltage integrated circuits Power electronics Electrical & Computer Engineering Engineering & Applied Sciences Electrical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph