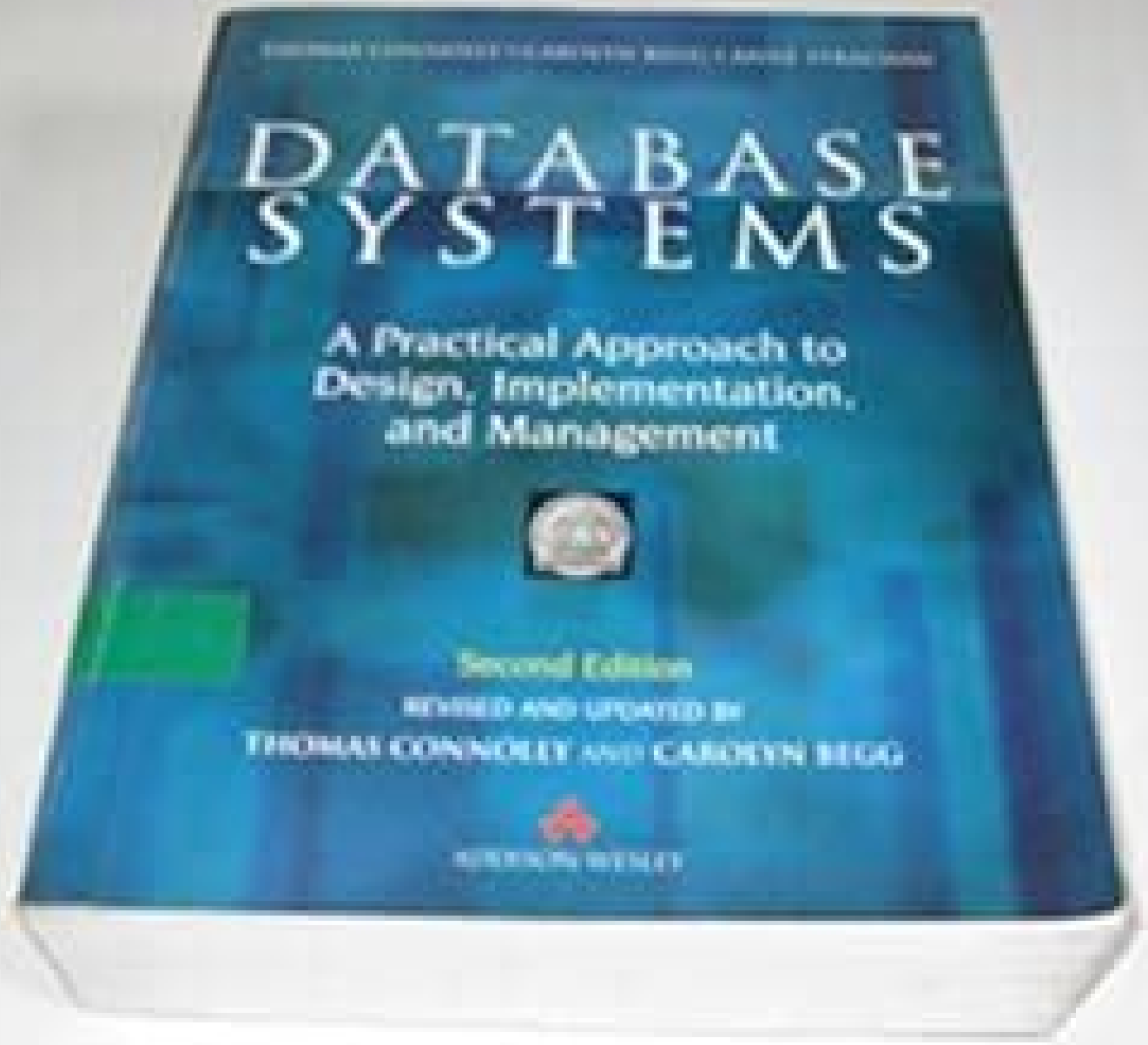
DATABASE SYSTEMS
A Practical Approach to Design, Implementation, and Management
Second Edition
REVISED AND UPDATED BY
THOMAS CONNOLLY AND CAROLYN BEGG

Database Theory And Practice International Computer Science Series

Tim Hopkins,Chris Phillips

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Database Lars Frank,1988 This book is primarily designed for Computer Science courses in higher education or as refresher courses for data processing staff A basic knowledge of data processing is the only prerequisite The book can be read by following the text without paying much attention to the mathematics thereby acquiring a general knowledge of the subject Or the text can be studied using the advanced mathematics in depth using the examples and the appendices The text aims to present an up to date description of the most important subjects within the database field *Current Trends in Database Technology - EDBT 2006* Torsten Grust,Hagen Höpfner,Arantza Illarramendi,Stefan Jablonski,Marco Mesiti,Sascha Müller,Paula-Lavinia Patranjan,Kai-Uwe Sattler,Myra Spiliopoulou,Jef Wijsen,2006-10-17 This book constitutes the thoroughly refereed joint post proceedings of nine workshops held as part of the 10th International Conference on Extending Database Technology EDBT 2006 held in Munich Germany in March 2006 The 70 revised full papers presented were selected from numerous submissions during two rounds of reviewing and revision □□□□□□□□ ,1990 American Book Publishing Record ,2004 Constraint Databases Gabriel Kuper,Leonid Libkin,Jan Paredaens,2013-03-09 This book is the first comprehensive survey of the field of constraint databases Constraint databases are a fairly new and active area of database research The key idea is that constraints such as linear or polynomial equations are used to represent large or even infinite sets in a compact way The ability to deal with infinite sets makes constraint databases particularly promising as a technology for integrating spatial and temporal data with standard re lational databases Constraint databases bring techniques from a variety of fields such as logic and model theory algebraic and computational geometry as well as symbolic computation to the design and analysis of data models and query languages The book is a collaborative effort involving many authors who have con tributed chapters on their fields of expertise Despite this the book is designed to be read as a whole as opposed to a collection of individual surveys In par ticular the terminology and the style of presentation have been standardized and there are multiple cross references between the chapters The idea of constraint databases goes back to the late Paris Kanellakis

A London Bibliography of the Social Sciences ,1931 Vols 1 4 include material to June 1 1929 Numerical Methods in Practice Tim Hopkins,Chris Phillips,1988 Readings in Artificial Intelligence and Databases John Mylopoulos,Michael L. Brodie,2014-06-28 The interaction of database and AI technologies is crucial to such applications as data mining active databases and knowledge based expert systems This volume collects the primary readings on the interactions actual and potential between these two fields The editors have chosen articles to balance significant early research and the best and most comprehensive articles from the 1980s An in depth introduction discusses basic research motivations giving a survey of the history concepts and terminology of the interaction Major themes approaches and results open issues and future directions are all discussed including the results of a major survey conducted by the editors of current work in industry and research labs Thirteen sections follow each with a short introduction Topics examined include semantic data models with

emphasis on conceptual modeling techniques for databases and information systems and the integration of data model concepts in high level data languages definition and maintenance of integrity constraints in databases and knowledge bases natural language front ends object oriented database management systems implementation issues such as concurrency control and error recovery and representation of time and knowledge incompleteness from the viewpoints of databases logic programming and AI Fundamental computational problems and algorithms for SuperHyperGraphs Takaaki Fujita,Florentin Smarandache, Hypergraphs extend traditional graphs by allowing edges known as hyperedges to connect more than two vertices rather than just pairs This paper explores fundamental problems and algorithms in the context of SuperHypergraphs an advanced extension of hypergraphs enabling modeling of hierarchical and complex relationships Topics covered include constructing SuperHyperGraphs recognizing SuperHyperTrees and computing SuperHyperTree width We address a range of optimization problems such as the SuperHypergraph Partition Problem Reachability Minimum Spanning SuperHypertree and Single Source Shortest Path Furthermore adaptations of classical problems like the Traveling Salesman Problem Chinese Postman Problem and Longest Simple Path Problem are presented in the SuperHypergraph framework Object-oriented Databases John G. Hughes,1991 A comprehensive introduction to object oriented concepts as applied to databases and knowledge based systems The principles of semantic data modelling are described in depth and this is followed by a comprehensive description of the application of object oriented techniques in this area Separate chapters are devoted to implementation aspects such as persistence and concurrency **The British National Bibliography** Arthur James Wells,2005 **Type Theory and Functional Programming** Simon Thompson,1991 This book explores the role of Martin Lof s constructive type theory in computer programming The main focus of the book is how the theory can be successfully applied in practice Introductory sections provide the necessary background in logic lambda calculus and constructive mathematics and exercises and chapter summaries are included to reinforce understanding **The World Wide Web and Databases** ,2000 Books in Print ,1994 *Mathematical Reviews* ,2003 **Proceedings of the Nineteenth ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems** Symposium on Principles of Database Systems,2000 *Foundations of Semantic Databases* Bert de Brock,1995 Providing a comprehensive theory of data modelling this book explains the important concepts and principles with real life examples showing how to apply it directly in practical applications Topics covered include a wide variety of functional requirements and query specification capabilities a formal treatment of the semantics of the data static and dynamic constraints and business rules operations on tables databases and database universes data dictionaries and their semantics and comparisons of incidental properties and structural properties throughout the book The book is aimed at professional database users such as designers administrators and programmers as well as specialists involved in data processing **ACM Transactions on Information Systems** ,1995 Proceedings of the Fourteenth ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, PODS

1995, San Jose, California, May 22-25, 1995 ,1995

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