
Advanced Database Systems

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Advanced Principles for Improving Database Design, Systems Modeling, and Software Development
10th British National Conference on Databases, BNCOD 10, Aberdeen, Scotland, July 6 - 8, 1992. Proceedings
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9th International Conference, DASFAA 2004, Jeju Island, Korea, March 17-19, 2003, Proceedings
Database Systems:A Practical Approach to Design, Implementation and Management with Corporate Computer and Network Security:(International Edition) and Making the Team (International Edition)

with Success in Your Project
Query Processing for Advanced Database Systems
Advanced Database Marketing

Advanced Database Systems

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Advanced Database Indexing Pearson Education India
Database management is attracting wide interest in both academic and industrial contexts. New application areas such as CAD/CAM, geographic information systems, and multimedia are emerging. The needs of these application areas are far more complex than those of conventional business applications. The purpose of this book is to bring together a set of current research issues that addresses a broad spectrum of topics related to database systems and applications. The book is divided into four parts: - object-oriented databases, - temporal/historical database systems, - query processing in database systems, - heterogeneity, interoperability, open system architectures, multimedia database systems.

Techniques, Applications and Technologies Springer Science & Business Media

Database Management Systems provides comprehensive and up-to-date coverage of the fundamentals of database systems. Coherent explanations and practical examples have made this one of the leading texts in the field. The third edition continues in this tradition, enhancing it with more practical material. The new edition has been reorganized to allow more flexibility in the way the course is taught. Now, instructors can easily choose whether they would like to teach a course which emphasizes database application development or a course that emphasizes database systems issues. New overview chapters at the beginning of parts make it possible to skip other chapters in the part if you don't want the detail. More applications and examples have been added throughout the book, including SQL and Oracle examples. The applied flavor is further enhanced by the two new database applications chapters.

An Advanced Course in Database Systems Routledge

While the definition of database marketing hasn't changed, its meaning has become more vivid, versatile and exciting than ever before. Advanced Database Marketing provides a state-of-the-art

guide to the methods and applications that define this new era in database marketing, including advances in areas such as text mining, recommendation systems, internet marketing, and dynamic customer management. An impressive list of contributors including many of the thought-leaders in database marketing from across the world bring together chapters that combine the best academic research and business applications. The result is a definitive guide and reference for marketing and brand analysts, masters students, teachers and researchers in marketing analytics. The proliferation of marketing platforms and channels and the complexity of customer interactions create an urgent need for a multidisciplinary and analytical toolkit.

Advanced Database Marketing is a resource to enable marketers to achieve insights and increased financial performance; to provide them with the capability to implement and evaluate approaches to marketing that will meet, in equal measure, the changing needs of customers and the businesses that serve them.

Readings in Database Systems Artech House Computer Library
Tuning your database for optimal performance means more than following a few short steps in a vendor-specific guide. For maximum improvement, you need a broad and deep knowledge of basic tuning principles, the ability to gather data in a systematic way, and the skill to make your system run faster. This is an art as well as a science, and Database Tuning: Principles, Experiments, and Troubleshooting Techniques will help you develop portable skills that will allow you to tune a wide variety of database systems on a multitude of hardware and operating systems. Further, these skills, combined with the scripts provided for validating results, are exactly what you need to evaluate competing database products and to choose the right one. Forward by Jim Gray, with invited chapters by Joe Celko and Alberto Lerner Includes industrial contributions by Bill McKenna (RedBrick/Informix), Hany Saleeb (Oracle), Tim Shetler (TimesTen), Judy Smith (Deutsche Bank), and Ron Yorita (IBM) Covers the entire system environment: hardware, operating system, transactions, indexes, queries, table design, and

application analysis Contains experiments (scripts available on the author's site) to help you verify a system's effectiveness in your own environment Presents special topics, including data warehousing, Web support, main memory databases, specialized databases, and financial time series Describes performance-monitoring techniques that will help you recognize and troubleshoot problems

An Application-oriented Approach Morgan Kaufmann

The three-volume set LNCS 12681-12683 constitutes the proceedings of the 26th International Conference on Database Systems for Advanced Applications, DASFAA 2021, held in Taipei, Taiwan, in April 2021. The total of 156 papers presented in this three-volume set was carefully reviewed and selected from 490 submissions. The topic areas for the selected papers include information retrieval, search and recommendation techniques; RDF, knowledge graphs, semantic web, and knowledge management; and spatial, temporal, sequence, and streaming data management, while the dominant keywords are network, recommendation, graph, learning, and model. These topic areas and keywords shed the light on the direction where the research in DASFAA is moving towards. Due to the Corona pandemic this event was held virtually.

Advanced Database Technology and Design Springer Science & Business

This volume contains the proceedings of the Fifth International Conference on Database Systems for Advanced Applications (DASFAA '97). DASFAA '97 focused on advanced database technologies and their applications. The 55 papers in this volume cover a wide range of areas in the field of database systems and applications - including the rapidly emerging areas of the Internet, multimedia, and document database systems - and should be of great interest to all database system researchers and developers, and practitioners.

Database Tuning World Scientific

Advanced Database Query Systems: Techniques, Applications and Technologies focuses on technologies and methodologies of database queries, XML and metadata queries, and applications of

database query systems, aiming at providing a single account of tech

Advanced Database Systems Springer

"This book presents cutting-edge research and analysis of the most recent advancements in the fields of database systems and software development"--Provided by publisher.

Principles of Distributed Database Systems World Scientific
Advanced Database Techniques combines advanced techniques with practical advice and many new ideas, methods, and examples for database management students, system specialists, and programmers. It provides a wealth of technical information on database methods and an encyclopedic coverage of advanced techniques that other current books on database lack. An overview covers important definitions in the area of database management and describes such classical notions as file structures, conceptual, physical and external schemas, and relational, network, hierarchical, and entity-relationship models. Remaining chapters offer advanced techniques, methods, and practical advice for functional specification and system design of a database-oriented interactive application; database architecture with qualitative and quantitative optimizations; the prediction of loads and response times; data representation, packing, and protection; selection of data elements and structures in a database; practical extensions of the relational theory to include dynamic relations and schemas, existence and processing constraints and coroutines; software architectures (functional interface and decision machine); and open databases for robotics, image processing, CAD, and artificial intelligence. Extended definitions are provided for conceptual schema, view, soft constraints and selection, relation, and dynamic schema. And an entire chapter is devoted to MSD, a new relational approach to specification and design. New software architectures for database applications are also covered. Advanced Database Techniques describes the 15 functions of a database management system and its internal mechanisms and provides a complete product review of the DBMS ORACLE as well as advice on DBMS purchasing and database administration. Daniel Martin is an independent consultant living in France. He designed and installed the largest distributed database in Europe. Advanced Database Techniques is included in the Information series, edited by Michael Lesk.

Advanced Database Query Systems Springer Science & Business Media

This textbook explains the conceptual and engineering principles of database design. Rather than focusing on how to implement a database management system, it focuses on building applications, and the theory underlying relational databases and relational query languages. An ongoing case study illustrates both database and software engineering concepts. Originally published as Databases and transaction processing by Pearson Education in 2002; the second edition adds a chapter on database tuning and a section on UML. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).

Indexing Techniques for Advanced Database Systems

World Scientific Publishing Company Incorporated

The chapters of this book provide an excellent snapshot of current research and development activities in the area of query processing and optimization. They supply potential answers to many questions that have been raised for new types of database systems and at the same time reflect the variety of the different approaches taken. The book acts both as a reference for the state of the art in query processing for the "next generation" of database systems, and as a good starting point for anybody interested in understanding the challenging questions in the area. Furthermore, the book will help the reader to gain an in-depth understanding of why efficient query processing is needed for future database systems.

Active Database Systems Pearson Education India

This book constitutes the refereed proceedings of the 9th International Conference on Database Systems for Advanced Applications, DASFAA 2004, held in Jeju Island, Korea in March 2004. The 60 revised full papers and 18 revised short papers presented together with 2 invited articles were carefully reviewed and selected from 272 submissions. The papers are organized in topical sections on access methods, query processing in XML, security and integrity, query processing in temporal and spatial databases, semi-structured databases, knowledge discovery in temporal and spatial databases, XML and multimedia and knowledge discovery on the Web, query processing and optimization, classification and clustering, Web search, mobile databases, parallel and distributed databases, and multimedia databases.

Triggers and Rules for Advanced Database Processing Now Publishers Inc

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques.

Principles, Experiments, and Troubleshooting Techniques
Advanced Database Systems

This volume contains three keynote papers and 51 technical papers from contributors around the world on topics in the research and development of database systems, such as Data Modelling, Object-Oriented Databases, Active Databases, Data Mining, Heterogeneous Databases, Distributed Databases, Parallel Query Processing, Multi-Media Databases, Transaction Management Systems, Document Databases, Temporal Databases, Deductive Databases, User Interface, and Advanced Database Applications.

Advanced Principles for Improving Database Design, Systems Modeling, and Software Development Pearson Education
Advanced data management has always been at the core of

efficient database and information systems. Recent trends like big data and cloud computing have aggravated the need for sophisticated and flexible data storage and processing solutions. This book provides a comprehensive coverage of the principles of data management developed in the last decades with a focus on data structures and query languages. It treats a wealth of different data models and surveys the foundations of structuring, processing, storing and querying data according to these models. Starting off with the topic of database design, it further discusses weaknesses of the relational data model, and then proceeds to convey the basics of graph data, tree-structured XML data, key-value pairs and nested, semi-structured JSON data, columnar and record-oriented data as well as object-oriented data. The final chapters round the book off with an analysis of fragmentation, replication and consistency strategies for data management in distributed databases as well as recommendations for handling polyglot persistence in multi-model databases and multi-database architectures. While primarily geared towards students of Master-level courses in Computer Science and related areas, this book may also be of benefit to practitioners looking for a reference book on data modeling and query processing. It provides both theoretical depth and a concise treatment of open source technologies currently on the market.

10th British National Conference on Databases, BNCOD 10, Aberdeen, Scotland, July 6 - 8, 1992. Proceedings IGI Global Annotation Proceedings of an April 2001 conference examining recent progress in XML databases, data mining and clustering, document and text databases, deductive and knowledge bases, OLAP, indexing techniques, mobile computing and databases, query languages and processing, workflow management, visualization and multimedia databases, query processing and optimization, and heterogeneous and networked databases. Specific subjects discussed include distance courseware discrimination based on representative sentence assaying, a

logical foundation for deductive object-oriented databases, multi-cube computation, and facilitating workflow evolution in an advanced object environment. Other subjects include a unified retrieval method for multimedia documents, and improving backward recovery in workflow systems. Lacks a subject index. c. Book News Inc.

Advanced database systems Bloomsbury Publishing
This book constitutes the workshop proceedings of the 22nd International Conference on Database Systems for Advanced Applications, DASFAA 2017, held in Suzhou, China, in March 2017. The 32 full papers and 5 short papers presented were carefully selected and reviewed from 43 submissions to the four following workshops: the 4th International Workshop on Big Data Management and Service, BDMS 2017; the Second International Workshop on Big Data Quality Management, BDQM 2017; the 4th International Workshop on Semantic Computing and Personalization, SeCoP 2017; and the First International Workshop on Data Management and Mining on MOOCs, DMMOOC 2017.

Advanced Database Systems Springer Science & Business Media
This text goes beyond the relational coverage of a typical first course in databases. Dietrich and Urban include object-oriented conceptual data modeling, object oriented databases, and databases and the Web. Topic coverage is in-depth and accessible to undergraduates as well as graduate CS students.

Teachers can select the topics that best fit their course.
Database Systems Springer Science & Business Media
Here's a thorough introduction to the latest developments in database systems design presented from an applications point of view. Featuring contributions from well-known experts in the field, this new book pays special attention to issues raised by new trends in database design, and how these developments affect the programmer and database administrator. The authors and editors present concepts in an intuitive and motivating manner, making extensive use of examples, and including lists of references for additional study with each chapter.

Advanced Database System Mit Press

Market_Desc: This book is a valuable source of information for academics, practitioners, post and under graduate students with a good overview of basic notions, methods and techniques, as well as important issues and trends across the broad spectrum of data management. Special Features: · Provides simple, clear and concise language, which makes the book easy and enjoyable to read. · Follows a code centric approach and provides code snippets wherever applicable. · Provides well-structured text and illustrative block diagrams and figures wherever required. ·

Provides case studies involving the latest technologies, such as Java, J2EE, and ASP.NET with backend database, such as Oracle and SQL Server with clear illustrations and step-wise approach on how to develop a real-life project. · Includes chapter objectives and advance organizer at the beginning of each chapter to describe what the reader would learn in the chapter. · Includes comprehensive and detailed coverage of each topic to meet the requirements of the target audience, including postgraduates, undergraduates, and professionals. About The Book: This book provides a systematic approach with an in-depth analysis of advanced database areas as well as the basics of database management systems. It explores the different normalization techniques starting from the very basic first normal form and extends up to sixth normal form. The theme of this book is the potential of new advanced database systems. This book combines advanced techniques with practical advice and many new ideas, methods, and examples for database management students, system specialists, and programmers. It provides a wealth of technical information on database methods and an encyclopedic coverage of advanced techniques. Summing up, this book is a valuable source of information for academics, practitioners, post and under graduate students with a good overview of basic notions, methods and techniques, as well as important issues and trends across the broad spectrum of data management.