

Principles Of Multimedia Database Systems The Morgan Kaufmann Series In Data Management Systems

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 Joe Celko's SQL for Smarties
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 Principles of Multimedia
 XML-Based Data Management and Multimedia Engineering - EDBT 2002 Workshops
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 Handbook of Video Databases
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 Fundamentals of Relational Database Management Systems
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 Second International Conference, WAIM 2001, Xi'an, China, July 9-11, 2001. Proceedings
 Joe Celko's Thinking in Sets: Auxiliary, Temporal, and Virtual Tables in SQL
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 Continuous Media Databases
 11th International Conference, DASFAA 2006, Singapore, April 12-15, 2006, Proceedings
 4th International Workshop, MIS'98, Istanbul, Turkey September 24-26, 1998, Proceedings
 Theory, Algorithms, and the Practice of Concurrency Control and Recovery
 Database Systems for Next-Generation Applications
 Advances in Web-Age Information Management
 Management of Heterogeneous and Autonomous Database Systems
 Concepts in Practice

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DOYLE VALERIE

Advanced Tools and Methodologies Springer Science & Business Media
 Principles of Multimedia Database Systems Morgan Kaufmann
 Information Visualization in Data Mining and Knowledge Discovery World Scientific
 This book constitutes the refereed proceedings of the Second International Conference on Web-Age Information Management, WAIM 2001, held in Xi'an, China, in July 2001. The 21 revised full papers and 12 short papers presented together with 4 research experience papers were carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections on multimedia databases and high-dimensional indexing, information retrieval and text indexing, data mining, semistructured data management, data warehousing and federated databases, Web information management and e-commerce, spatio-temporal and high-dimensional information management, data mining and constraint management, data integration and filtering, and workflow and adaptive systems.
Joe Celko's SQL for Smarties Springer Science & Business Media
 This volume comprises papers from the following three workshops that were part of the complete program for the International Conference on Extending Database Technology (EDBT) held in Prague, Czech Republic, in March 2002: XML-Based Data Management (XMLDM) Second International Workshop on Multimedia Data and Document Engineering (MDDE) Young Researchers Workshop (YRWS) Together, the three workshops featured 48 high-quality papers selected from approximately 130 submissions. It was, therefore, difficult to decide on the papers that were to be accepted for presentation. We believe that the accepted papers substantially contribute to their particular fields of research. The workshops were an excellent basis for intense and highly fruitful discussions. The quality and quantity of papers show that the areas of interest for the workshops are highly active. A large number of excellent researchers are working in relevant fields producing research output that is not only of interest to other researchers but also for industry. The organizers and participants of the workshops were highly satisfied with the output. The high quality of the presenters and workshop participants contributed to the success of each workshop. The amazing environment of Prague and the location of the EDBT conference also contributed to the overall success. Last, but not least, our sincere thanks to the conference organizers - the

organizing team was always willing to help and if there were things that did not work, assistance was quickly available.
Spatial Databases Tata McGraw-Hill Education
 Perfectly intelligent programmers often struggle when forced to work with SQL. Why? Joe Celko believes the problem lies with their procedural programming mindset, which keeps them from taking full advantage of the power of declarative languages. The result is overly complex and inefficient code, not to mention lost productivity. This book will change the way you think about the problems you solve with SQL programs.. Focusing on three key table-based techniques, Celko reveals their power through detailed examples and clear explanations. As you master these techniques, you'll find you are able to conceptualize problems as rooted in sets and solvable through declarative programming. Before long, you'll be coding more quickly, writing more efficient code, and applying the full power of SQL • Filled with the insights of one of the world's leading SQL authorities - noted for his knowledge and his ability to teach what he knows. • Focuses on auxiliary tables (for computing functions and other values by joins), temporal tables (for temporal queries, historical data, and audit information), and virtual tables (for improved performance). • Presents clear guidance for selecting and correctly applying the right table technique.
Principles of Multimedia Springer
 With the growth of Java and the rise of database-powered Web applications, the need to use Java with SQL is clear. Until now, authoritative coverage of the techniques available to meet these challenges and reap their benefits-both programming and career benefits-didn't exist. Understanding SQL and Java Together examines all the standards for combining SQL and Java. It shows you exactly how to use their features to write efficient and effective code supporting Java access to SQL data in a variety of ways. You'll gain a thorough understanding of the relationship between SQL and Java, which will allow you to write static and dynamic SQL programs in Java, merge Java code with SQL databases and SQL code, and use other data management techniques wherever appropriate. * Covers all the technologies for using SQL and Java together, including JDBC, Java Blend, and SQLJ Parts 0, 1, and 2 * Explains how to embed SQL code in Java and take advantage of Java's ability to compile that code for a specific DBMS * Explains how to store and invoke Java routines in an SQL database-and how to store Java objects in an SQL database for seamless interchange among application layers * Covers dynamic SQL access techniques using JDBC and advantageous ways to combine static and dynamic SQL * Comes with a CD-ROM containing Oracle's JDeveloper , Sybase's Adaptive

Server Anywhere, Informix's Cloudscape, the complete database schema, and the complete text of most of the examples
XML-Based Data Management and Multimedia Engineering - EDBT 2002 Workshops Morgan Kaufmann
 An industry consultant shares his most useful tips and tricks for advanced SQL programming to help the working programmer gain performance and work around system deficiencies.
 Methods and Innovations for Multimedia Database Content Management Morgan Kaufmann
 This text surveys research from the fields of data mining and information visualisation and presents a case for techniques by which information visualisation can be used to uncover real knowledge hidden away in large databases.
Understanding SQL and Java Together Morgan Kaufmann
 "This is a great book! I have to admit I wasn't enthusiastic about the idea of a book with such a narrow topic initially, but, frankly, it's the first professional book I've read page to page in one sitting in a long time. It should be of interest to DBAs, data architects and modelers, programmers who have to write database programs, and yes, even managers. This book is a winner." - Karen Watterson, Editor SQL Server Professional "Malcolm Chisholm has produced a very readable book. It is well-written and with excellent examples. It will, I am sure, become the Reference Book on Reference Data." - Clive Finkelstein, "Father" of Information Engineering, Managing Director, Information Engineering Services Pty Ltd Reference data plays a key role in your business databases and must be free from defects of any kind. So why is it so hard to find information on this critical topic? Recognizing the dangers of taking reference data for granted, Managing Reference Data in Enterprise Databases gives you precisely what you've been seeking: A complete guide to the implementation and management of reference data of all kinds. This book begins with a thorough definition of reference data, then proceeds with a detailed examination of all reference data issues, fully describing uses, common difficulties, and practical solutions. Whether you're a database manager, architect, administrator, programmer, or analyst, be sure to keep this easy-to-use reference close at hand. Features Solves special challenges associated with maintaining reference data. Addresses a wide range of reference data issues, including acronyms, redundancy, mapping, life cycles, multiple languages, and querying. Describes how reference data interacts with other system components, what problems can arise, and how to mitigate these problems. Offers examples of standard reference data types and matrices for evaluating management methods. Provides a number of standard reference data tables and more specialized material to

help you deal with reference data, via a companion Web site [Advanced SQL:1999](#) Elsevier

With the rapid growth in the use of computers to manipulate, process, and reason about multimedia data, the problem of how to store and retrieve such data is becoming increasingly important. Thus, although the field of multimedia database systems is only about 5 years old, it is rapidly becoming a focus for much excitement and research effort. Multimedia database systems are intended to provide unified frameworks for requesting and integrating information in a wide variety of formats, such as audio and video data, document data, and image data. Such data often have special storage requirements that are closely coupled to the various kinds of devices that are used for recording and presenting the data, and for each form of data there are often multiple representations and multiple standards - all of which make the database integration task quite complex. Some of the problems include: - what a multimedia database query means - what kinds of languages to use for posing queries - how to develop compilers for such languages - how to develop indexing structures for storing media on ancillary devices - data compression techniques - how to present and author presentations based on user queries. Although approaches are being developed for a number of these problems, they have often been ad hoc in nature, and there is a need to provide a principled theoretical foundation.

Database Systems for Advanced Applications Springer
Multimedia services involve processing, transmission and retrieval of multiple forms of information. Multimedia services have gained momentum in the past few years due to the easy availability of computing power and storage media. Society is demanding human-like intelligent behaviour, such as adaptation and generalization, from machines every day. With this view in mind, researchers are working on fusing intelligent paradigms such as artificial neural networks, swarm intelligence, artificial immune systems, evolutionary computing and multiagents with multimedia services. Artificial neural networks use neurons, interconnected using various schemes, for fusing learning in multimedia-based systems. Evolutionary computing techniques are used in tasks such as optimization. Typical multiagent systems are based on Belief-Desire-Intention model and act on behalf of the users. Typical examples of intelligent multimedia services include digital libraries, e-learning and teaching, e-government, e-commerce, e-entertainment, e-health and e-legal services. This book includes 15 chapters on advanced tools and methodologies pertaining to the multimedia services. The authors and reviewers have contributed immensely to this research-oriented book. We believe that this - search volume will be valuable to professors, researchers and students of all disciplines, such as computer science, engineering and management. We express our sincere thanks to Springer-Verlag for their wonderful editorial support.

Principles of Multimedia Database Systems Morgan Kaufmann
Until recently, databases contained easily indexed numbers and text. Today, in the age of powerful, graphically based computers, and the world wide web, databases are likely to contain a much greater variety of data forms, including images, sound, video clips, and even handwritten documents. When multimedia databases are the norm, traditional methods of working with databases no longer apply. How do you query a video library, or an image database containing x-rays, or sounds in an audio database? *Principles of Multimedia Database Systems* explains how to work with these new multimedia data forms. It is the first comprehensive treatment of the skills and techniques required to build, maintain, and query multimedia databases. This book presents the mix of techniques necessary for working with multimedia databases, including synthetic solutions for the design and deployment of multimedia database systems. Because rapid technological developments are constantly changing the landscape of multimedia databases, the book teaches basic

theoretical principles applicable to any database. * Covers the major issues of multimedia database design, with a strong focus on distributed multimedia databases. * Discusses important topics including how to organize the vast data types, storage and retrieval, and creation and delivery of multimedia presentations. * Organized around the lively scenario of a crime-fighting database that evolves as new concepts are introduced. * Includes numerous exercises and suggestions for programming projects. * Additional materials on the web include updates, on-line supplements, and links to downloadable software.

Database Modeling with Microsoft® Visio for Enterprise Architects Morgan Kaufmann
This volume is a compendium of recent research and development work pertaining to the problems and issues in the design and development of multimedia database systems. The design of indexing and organization techniques and the development of efficient and *Designing data-intensive Web applications* Springer
Multimedia and its rich semantics are profligate in today's digital environment. Databases and content management systems serve as essential tools to ensure that the endless supply of multimedia content are indexed and remain accessible to end users. Methods and Innovations for Multimedia Database Content Management highlights original research on new theories, algorithms, technologies, system design, and implementation in multimedia data engineering and management with an emphasis on automatic indexing, tagging, high-order ranking, and rule mining. This book is an ideal resource for university researchers, scientists, industry professionals, software engineers and graduate students.

Mining the Web Morgan Kaufmann
Until recently, databases contained easily indexed numbers and text. Today, in the age of powerful, graphically based computers, and the world wide web, databases are likely to contain a much greater variety of data forms, including images, sound, video clips, and even handwritten documents. When multimedia databases are the norm, traditional methods of working with databases no longer apply. How do you query a video library, or an image database containing x-rays, or sounds in an audio database? *Principles of Multimedia Database Systems* explains how to work with these new multimedia data forms. It is the first comprehensive treatment of the skills and techniques required to build, maintain, and query multimedia databases. This book presents the mix of techniques necessary for working with multimedia databases, including synthetic solutions for the design and deployment of multimedia database systems. Because rapid technological developments are constantly changing the landscape of multimedia databases, the book teaches basic theoretical principles applicable to any database. * Covers the major issues of multimedia database design, with a strong focus on distributed multimedia databases. * Discusses important topics including how to organize the vast data types, storage and retrieval, and creation and delivery of multimedia presentations. * Organized around the lively scenario of a crime-fighting database that evolves as new concepts are introduced. * Includes numerous exercises and suggestions for programming projects. * Additional materials on the web include updates, on-line supplements, and links to downloadable software.

Handbook on Data Management in Information Systems Morgan Kaufmann
Moving Objects Databases is the first uniform treatment of moving objects databases, the technology that supports GPS and RFID. It focuses on the modeling and design of data from moving objects — such as people, animals, vehicles, hurricanes, forest fires, oil spills, armies, or other objects — as well as the storage, retrieval, and querying of that very voluminous data. It includes homework assignments at the end of each chapter, exercises throughout the text that students can complete as they read, and a solutions manual in the back of the book. This book is intended for graduate or advanced undergraduate students. It is also

recommended for computer scientists and database systems engineers and programmers in government, industry and academia; professionals from other disciplines, e.g., geography, geology, soil science, hydrology, urban and regional planning, mobile computing, bioterrorism and homeland security, etc. Focuses on the modeling and design of data from moving objects—such as people, animals, vehicles, hurricanes, forest fires, oil spills, armies, or other objects—as well as the storage, retrieval, and querying of that very voluminous data. Demonstrates through many practical examples and illustrations how new concepts and techniques are used to integrate time and space in database applications. Provides exercises and solutions in each chapter to enable the reader to explore recent research results in practice. *Data Model Patterns: A Metadata Map* Morgan Kaufmann
This text covers basic database concepts to provide a conceptual understanding of data and databases necessary for database design and development.

Handbook of Video Databases Morgan Kaufmann
This book constitutes the refereed proceedings of the 11th International Conference on Database Systems for Advanced Applications, DASFAA 2006, held in Singapore in April 2006. 46 revised full papers and 16 revised short papers presented were carefully reviewed and selected from 188 submissions. Topics include sensor networks, subsequence matching and repeating patterns, spatial-temporal databases, data mining, XML compression and indexing, xpath query evaluation, uncertainty and streams, peer-to-peer and distributed networks and more.

Multimedia Database Systems Elsevier
The authors explore and explain current techniques for handling the specialised data that describes geographical phenomena in a study that will be of great value to computer scientists and geographers working with spatial databases.

Multimedia Database Systems CRC Press
Continuous Media Databases brings together in one place important contributions and up-to-date research results in this fast moving area. *Continuous Media Databases* serves as an excellent reference, providing insight into some of the most challenging research issues in the field.

Moving Objects Databases Springer
Database Semantics: Semantic Issues in Multimedia Systems reflects the state of the art of emerging research on the meaning of multimedia information, as presented during IFIP's Eighth Data Semantics Working Conference (DS-8), organized by its Working Group 2.6 on Databases, and held at Rotorua, New Zealand, in January 1999. DS-8 was planned as an active forum for researchers and practitioners focusing on those issues that involve the semantics of the information represented, stored, and manipulated by multimedia systems. Depending on the topic and state of research, issues may be covered either deeply theoretically or quite practically, or even both. These proceedings contain twenty-one papers carefully selected by an International Programme Committee and organized in six thematic areas: Video Data Modelling and Use; Image Databases; Applications of Multimedia Systems; Multimedia Modeling in General; Multimedia Information Retrieval; Semantics and Metadata. For almost every area, important topics and issues include: data modeling and query languages for media such as audio, video, and images; methodological aspects of multimedia database design; intelligent multimedia information retrieval; knowledge discovery and data mining in multimedia information; multimedia user interfaces. Three visionary keynote addresses, by famous experts Ramesh Jain, Hermann Maurer and Masao Sakauchi, set the stage for discussion and future directions for the field. The collection of papers that resulted now offers a glimpse of the excitement and enthusiasm from DS-8. *Database Semantics: Semantic Issues in Multimedia Systems* is suitable as a secondary text for a graduate-level course on database systems, multimedia systems, or information retrieval systems and as a reference for practitioners and researchers in industry.

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