

INDEX OF TITLES

A Metadata Approach to Resolving Semantic Conflicts	133
A Framework for Automating Physical Database Design	401
A Temporal Knowledge Representation Model OSAM*/T and its Query Language OQL/T	431
A Functional Programming Approach to Deductive Databases	491
A Formalism for Extended Transaction Models	103
A Performance Evaluation of Multi-Level Transaction Management	55
A Methodology for the Design and Transformation of Conceptual Schemas	25
A Model for Active Object Oriented Database	337
A Transactional Model for Long-Running Activities	113
A Relationship Mechanism for a Strongly Typed Object-Oriented Database Programming Language	565
A Taxonomy and Performance Model of Data Skew Effects in Parallel Joins	537
Active Database Systems	209
Adaptive Locking Strategies in a Multi-Node Data Sharing Model Environment	181
Adaptive Load Control in Transaction Processing Systems	47
Aggregation and Relevance in Deductive Databases	501
Alert: an Architecture for Transforming a Passive DBMS into an Active DBMS	469
Algebraic Properties of Bag Data Types	211
An Evaluation of Non-Equijoin Algorithms	443
An Iterative Method for Distributed Database Design	389
Conceptual Modeling Using an Extended E-R Model	67
Cooperative Database Design	315
Cooperative Access to Data and Knowledge Bases	387
Data and Knowledge Bases for Genome Mapping: What Lies Ahead?	309
Data Management for Large Rule Systems	297
Database Technologies for the 90's and Beyond	453
Deriving Production Rules for Incremental View Maintenance	577
Distributed Database Management: Current State-of-the-Art, Unsolved Problems, New Issues	311
Dynamic Constraints and Object Migration	233
Effects of Database Size on Rule System Performance: Five Case Studies	287
Efficiency of Nested Relational Document Database Systems	91
Experimental Evaluation of Real-Time Optimistic Concurrency Control Schemes	35
Extending the Search Strategy in a Query Optimizer	363
Federated Database Systems for Managing Distributed, Heterogeneous, and Autonomous Databases	489
Fido: A Cache that Learns to Fetch	255
Handling Data Skew in Multiprocessor Database Computers Using Partition Tuning	525
Implementing Set-Oriented Production Rules as an Extension to Starburst	275
Integrating Implicit Answers with Object-Oriented Queries	15
Integrity Constraints Checking in Deductive Databases	513
Interoperability in Multi-Databases: Semantic and Systems Issues	561
Kaleidoscope Data Model for an English-like Query Language	351
Language Constructs for Programming Active Databases	455
Logic Programming Environments for Large Knowledge Bases: A Practical Perspective	563

Management of Schema Evolution in Databases	161
Object Placement in Parallel Hypermedia Systems	243
Ode as an Active Database: Constraints and Triggers	327
On Maintaining Priorities in a Production Rule System	479
Optimization Strategies for Spatial Query Processing	81
Optimization of Multi-Way Join Queries for Parallel Execution	549
Optimizing Random Retrievals from CLV Format Optical Disks	413
Performance Analysis of a Load Balancing Relational Hash-Join Algorithm for a Shared Memory Multiprocessor	375
Predictive Load Control for Flexible Buffer Allocation	265
Real Time Databases	313
Recovery and Coherency-Control Protocols for Fast Intersystem Page Transfer and Fine-Granularity Locking in a Shared Disks Transaction Environment	193
Rule Management in Object-Oriented Databases: A Uniform Approach	317
Safe Referential Integrity Structures in Relational Databases	123
Semantic Queries with Pictures: the VIMSYS Model	69
Semantic Modelling of Object Oriented Databases	3
Solving Domain Mismatch and Schema Mismatch Problems with an Object-Oriented Database Programming Language	147
Temporal Logic & Historical Databases	423
The Power of Methods with Parallel Semantics	221
Using Write Protected Data Structures To Improve Software Fault Tolerance in Highly Available Database Management Systems	171