Incremental methods for simple problems in time series: algorithms and experiments

Detection for conflicts of dependencies in advanced transaction models

Building information systems by orchestrating open services

Persistent middle tier components without logging

On the intersection of XPath expressions

Querying with negation in data integration systems

Evaluation of queries on tree-structured data using dimension graphs

Data updating between the operational and analytical databases through DW-log algorithm

Utilizing indexes for approximate and on-line nearest neighbor queries

An incremental clustering scheme for duplicate detection in large databases

XML and relational data: towards a common model and algebra

Automatically maintaining wrappers for Web sources

Semi-structured data management in the enterprise: a nimble, high-throughput, and scalable approach

Pattern-based information integration in dynamic environments

Agents and databases: friends or foes?

RelaXML: bidirectional transfer between relational and XML data

Rewriting-based optimization for XQuery transformational queries

Order-sensitive XML query processing over relational sources: an algebraic approach

Semantic query transformation using ontologies

Overcoming limitations of approximate query answering in OLAP

Efficient relational joins with arithmetic constraints on multiple attributes

Adaptive routing filters for robust query processing in schema-based P2P systems

Self-learning histograms for changing workloads

Dynamic histograms for non-stationary updates

An integrated commit protocol for mobile network databases

Hint and run: accelerating XPath queries

Design and evaluation of database layouts for MEMS-based storage systems

Differencing data streams

Cs++

Design and implementation of healthcare information consolidation platform

Indexing relational database content offline for efficient keyword-based search

Distribution-based synthetic database generation techniques for itemset mining

Privacy aware data generation for testing database applications

Fault-tolerance in distributed query processing

A method of security improvement for privacy preserving association rule mining over vertically partitioned data

NP datalog: a logic language for NP search and optimization queries

Using the lock manager to choose timestamps

Incremental fusion of XML fragments through semantic identifiers
Nomadic Web service clients  p. 379
Fine-granularity access control in 3-tier laboratory information systems  p. 391
Evaluation of integration of ACBL and AOCC caching algorithms  p. 398
Evaluating and improving integration quality for heterogeneous data sources using statistical analysis  p. 406
Categorizing and extracting information from multilingual HTML documents  p. 415
A hierarchy navigation framework: supporting scalable interactive exploration over large databases  p. 425
Flexible update management in peer-to-peer database systems  p. 435
An adaptive multi-objective scheduling selection framework for continuous query processing  p. 445

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.