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| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | David L. Spooner                                    |

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| Title      | Design and Implementation of an Extendible Integrity Subsystem. |
| Initpage   | 9   |
| Endpage    | 17  |
| Authors    |   |
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| • Position | 0   |
| Content    | Eric Simon  |
| • Position | 1   |
| Content    | Patrick Valduriez   |
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| Title      | Designing DBMS Support for the Temporal Dimension. |
| Initpage   | 115  |
| Endpage    | 130  |
| Authors    |  |
| Author     |  |
| • Position | 0  |
| Content    | Vincent Y. Lum                                     |
| • Position | 1  |
| Content    | Peter Dadam  |
| • Position | 2  |
| Content    | R. Erbe  |
| • Position | 3  |
| Content    | Jrgen Gnauer                                       |
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| • Position | 5  |
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| • Position | 6  |
| Content    | H. Werner  |
| • Position | 7  |
| Content    | John Woodfill                                      |
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| Title      | Efficient Processing of Relational Calculus Expressions Using Range Query Theory. |
| Initpage   | 164   |
| Endpage    | 175   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Dan E. Willard  |
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| Title      | Implementation Techniques for Main Memory Database Systems. |
| Initpage   | 1   |
| Endpage    | 8   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | David J. DeWitt   |
| • Position | 1   |
| Content    | Randy H. Katz   |
| • Position | 2   |
| Content    | Frank Olken   |
| • Position | 3   |
| Content    | Leonard D. Shapiro  |
| • Position | 4   |
| Content    | Michael Stonebraker   |
| • Position | 5   |
| Content    | David A. Wood   |
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| Title      | Lessons from a "Living In a Database" Graphical Query Interface. |
| Initpage   | 100  |
| Endpage    | 106  |
| Authors    |  |
| Author     |  |
| • Position | 0  |
| Content    | Dennis Fogg  |

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| Title      | Maintenance of Views. |
| Initpage   | 240                   |
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| Author     |                       |
| • Position | 0                     |
| Content    | Oded Shmueli          |
| • Position | 1                     |
| Content    | Alon Itai             |
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| Title      | Making Smalltalk a Database System. |
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| Authors    |                                     |
| Author     |                                     |
| • Position | 0                                   |
| Content    | George P. Copeland                  |
| • Position | 1                                   |
| Content    | David Maier                         |
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| Title      | On Complementary and Independent Mappings on Databases. |
| Initpage   | 143   |
| Endpage    | 148   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Arthur M. Keller  |
| • Position | 1   |
| Content    | Jeffrey D. Ullman                                       |
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| Title      | Optimal Computation of Total Projections with Unions of Simple Chase Join Expressions. |
| Initpage   | 149  |
| Endpage    | 163  |
| Authors    |  |
| Author     |  |
| • Position | 0  |
| Content    | Edward P. F. Chan  |
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| Title      | Overview of the Jasmin Database Machine. |
| Initpage   | 234                                      |
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| • Position | 0  |
| Content    | Daniel H. Fishman                        |
| • Position | 1  |
| Content    | Ming-Yee Lai                             |
| • Position | 2  |
| Content    | W. Kevin Wilkinson                       |
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| Title      | Performance Comparison of Index Structures for Multi-Key Retrieval. |
| Initpage   | 186   |
| Endpage    | 196   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Hans-Peter Kriegel  |
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| Title      | Performance Evaluation of the Statistical Aggregation by Caterogization in the SM3 System. |
| Initpage   | 77   |
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| Authors    |  |
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| • Position | 0  |
| Content    | Chaitanya K. Baru  |
| • Position | 1  |
| Content    | Stanley Y. W. Su   |

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| Title      | PRISM: A Knowledge Based System for Semantic Integrity Specification and Enforcement in Database Systems. |
| Initpage   | 307   |
| Endpage    | 315   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Allan Shepherd  |
| • Position | 1   |
| Content    | Larry Kerschberg  |
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| Title      | Quel as a Data Type.  |
| Initpage   | 208                   |
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| Authors    |                       |
| Author     |                       |
| • Position | 0                     |
| Content    | Michael Stonebraker   |
| • Position | 1                     |
| Content    | Erika Anderson        |
| • Position | 2                     |
| Content    | Eric N. Hanson        |
| • Position | 3                     |
| Content    | W. Bradley Rubenstein |
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| Title      | R-Trees: A Dynamic Index Structure for Spatial Searching. |
| Initpage   | 47  |
| Endpage    | 57  |
| Authors    |   |
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| • Position | 0   |
| Content    | Antonin Guttman   |
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| Title      | Relational Algebras, Logic, and Functional Programming. |
| Initpage   | 326   |
| Endpage    | 333   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Patrick A. V. Hall                                      |
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| Title      | Simplifying Distributed Database Systems Design by Using a Broadcast Network. |
| Initpage   | 223   |
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| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Jo-Mei Chang  |
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| Title      | The Use of Extended Boolean Logic in Information Retrieval. |
| Initpage   | 277   |
| Endpage    | 285   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Gerard Salton   |
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| Title      | Towards A Self-Adapting Centralized Concurrency Control Algorithm. |
| Initpage   | 18   |
| Endpage    | 32   |
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| • Position | 0  |
| Content    | Haran Boral  |
| • Position | 1  |
| Content    | Israel Gold  |

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•	Position	0
	Content	Ken Meyer
•	Position	1
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•	Title	Some Principles of Good Language Design (with especial reference to the design of database languages).
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•	Position	0
	Content	George P. Copeland
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•	Title	A High-Level User Interface for Update and Retrieval in Relational Databases - Language Aspects.
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•	Position	0
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| Title    | A Language and a Physical Organization Technique for Summary Tables. |
| Initpage | 3  |
| Endpage  | 16   |
| Authors  |  |
| Author   |  |
| Position | 0  |
| Content  | Gultekin zsoyoglu  |
| Position | 1  |
| Content  | Z. Meral zsoyoglu  |
| Position | 2  |
| Content  | Francisco Malta  |
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| Title    | A Model of Data Distribution Based on Texture Analysis. |
| Initpage | 319   |
| Endpage  | 325   |
| Authors  |   |
| Author   |   |
| Position | 0   |
| Content  | Nabil Kamel   |
| Position | 1   |
| Content  | Roger King  |
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| Title    | A Multidimensional Digital Hashing Scheme for Files With Composite Keys. |
| Initpage | 214  |
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| Authors  |  |
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| Position | 0  |
| Content  | Ekow J. Otoo   |
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| Title    | A Taxonomy of Time in Databases. |
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| Authors  |                                  |
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| Position | 0                                |
| Content  | Richard T. Snodgrass             |
| Position | 1                                |
| Content  | Ilsoo Ahn                        |
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| Title    | A Transaction Model Supporting Complex Applications in Integrated Information Systems. |
| Initpage | 388  |
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| Authors  |  |
| Author   |  |
| Position | 0  |
| Content  | Peter Klahold  |
| Position | 1  |
| Content  | Gunter Schlageter  |
| Position | 2  |
| Content  | Rainer Unland  |
| Position | 3  |
| Content  | Wolfgang Wilkes  |
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| Title    | Acquisition of Terminological Knowledge Using Database Design Techniques. |
| Initpage | 84  |
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| Authors  |   |
| Author   |   |
| Position | 0   |
| Content  | Christoph F. Eick   |
| Position | 1   |
| Content  | Peter C. Lockemann  |

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| Title      | Adaptive Information System Design: One Query at a Time. |
| Initpage   | 280  |
| Endpage    | 290  |
| Authors    |  |
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| • Position | 0  |
| Content    | Clement T. Yu  |
| • Position | 1  |
| Content    | C. H. Chen   |
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| Title      | Algorithm and Performance Evaluation of Adaptive Multidimensional Clustering Technique. |
| Initpage   | 308   |
| Endpage    | 318   |
| Authors    |   |
| Author     |   |
| • Position | 0   |
| Content    | Shinya Fushimi  |
| • Position | 1   |
| Content    | Masaru Kitsuregawa  |
| • Position | 2   |
| Content    | Masaya Nakayama   |
| • Position | 3   |
| Content    | Hidehiko Tanaka   |
| • Position | 4   |
| Content    | Tohru Moto-Oka  |
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| Title      | Analysis of the Context Dependency of CODASYL Find-Statements with Application to Database Program Conversion. |
| Initpage   | 354  |
| Endpage    | 361  |
| Authors    |  |
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| • Position | 0  |
| Content    | G. Barbara Demo  |
| • Position | 1  |
| Content    | Sukhamay Kundu   |
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| Title      | Database Design: Methodologies, Tools, and Environments (Panel). |
| Initpage   | 148  |
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| Authors    |  |
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| • Position | 0  |
| Content    | Carlo Batini   |
| • Position | 1  |
| Content    | Stefano Ceri   |
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| Title      | Direct Spatial Search on Pictorial Databases Using Packed R-Trees. |
| Initpage   | 17   |
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| Author     |  |
| • Position | 0  |
| Content    | Nick Roussopoulos  |
| • Position | 1  |
| Content    | Daniel Leifker   |
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| Title    | Efficient Prolog Access to CODASYL and FDM Databases. |
| Initpage | 437   |
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