

Issue	Volume	Number	Articles				
			Article	Initpage	Endpage	Authors	
						Author	Position
11	1		Annotated Bibliography on Data Design.	45	77	0	Anthony I. Wasserman
			Architecture of Future Data Base Systems.	30	44	0	Karen Botnich
			Database Directions III Workshop Review.	8	8	0	Lawrence A. Rowe
			Errors in 'Process Synchronization in Database Systems'.	9	29	0	Michael Stonebraker
						1	Phillip A. Bernstein
						1	Marco A. Casanova
						2	Nathan Goodman
11	3		Comparison and Mapping of the Relational and CODASYL Data Models - An Annotated Bibliography.	55	68	0	Gary H. Sockut
			Database Activity at Aberdeen University Computing Centre.	6	6	0	Stephen Knowles
			Record of the Workshop on Research in Office Semantics.	10	25	0	Gerald R. Barber
			Reply to "Errors in 'Process Synchronization in Database Systems'".	7	9	0	Gunter Schlageter
			Research in Knowledge Base Management Systems.	26	54	0	Gio Wiederhold
						1	S. Jerrold Kaplan
						2	Daniel Sagalowicz
11	4		Multisafe - A Data Security Architecture.	26	31	0	Robert P. Trueblood
						1	H. Rex Hartson
			Note on the Expected Size of a Join.	19	25	0	Arnon Rosenthal
			Notes of DDTS - An Apparatus for Experimental Research in Distributed Database Management Systems.	32	49	0	Ramez Elmasri
						1	Cory Devor
						2	Said K. Rahimi
12	1		A Note on Decompositions of Relational Databases.	33	37	0	Catriel Beeri
			BUSINESS - An End-User Oriented Application Development Language.	38	69	0	Moshe Y. Vardi
						0	Peter B. Miller
						1	Sergey Tetelbaum
			Horizontal Decomposition to Improve a Non-BCNF Scheme.	26	32	0	Kincade N. Webb
			Meta-Database Architecture for Relational DBMS.	18	25	0	Antonio L. Furtado
						0	Kn. I. Kilov
						1	I. A. Popova
12	2		Actual Conversion Experiences.	20	33	0	James H. Burrows
			Conversion Technology, An Assessment.	39	61	0	James P. Fry
			Data Base Directions II: The Conversion Problem - Editorial.	3	3	0	John L. Berg
			Establishing Management Objectives.	9	19	0	Richard L. Nolan
			Evolution in Computer Systems.	4	8	0	Mayford L. Roark
			Standards.	34	38	0	Milt Bryce
12	3		Administering a Distributed Data Base Management System.	86	99	0	Henry M. Walker
			Database Research Activities at the University of Wisconsin.	19	26	0	Haran Boral
						1	David J. DeWitt
						2	Randy H. Katz
						3	Anthony C. Klug
			Distributed Processing of Data Dynamics.	67	85	0	Colette Rolland
						1	Christian Richard
			Implementation of a Time Expert in a Data Base System.	51	60	0	Ricky Overmyer
						1	Michael Stonebraker
			Problems of Optimistic Concurrency Control in Distributed Database Systems.	61	66	0	Gunter Schlageter
			The Role of Time in Information Processing: A Survey.	27	50	0	A. Bolour
						1	T. L. Anderson
						2	L. J. Dekeyser
						3	Harry K. T. Wong
12	4		Final Report of the ANSI/X3/SPARC DBS-SG Relational Database Task Group.		62	0	Michael L. Brodie
						1	Joachim W. Schmidt
13	1		A Formal Definition of the relational Model.	18	29	0	C. J. Date
			A Precise Definition of Basic Relational Notions and of the Relational Algebra.	30	45	0	Alain Pirotte
			Comments on "Note on the Expected Size of a Join".	13	13	0	T. H. Merrett
			Horizontal Decompositions and their Impact on Query Solving.	46	50	0	P. De Bra
						1	Jan Paredaens
			New Proposal for a Common Command Language in Information Systems.	51	78	0	Yves Vander Auwera
						1	Luc Bernard
			Notes on the State of Data Base Audit.	79	91	0	Jon D. Clark
						1	Frederick G. Davis
			On Some Arguable Claims in B. Shneiderman's Evaluation of Natural Language Interaction with Database Systems.	92	97	0	Neil C. Rowe
			Response to N. C. Rowe's Review.	98	98	0	Ben Shneiderman
13	2		An Approach to the User Interface and Semantic Integrity for a Relational DBMS.	64	71	0	Haim Kilov
			Comments on Optimality of B-Trees.	35	38	0	Juergen Klonk
			Constraints: Consistency and Integrity.	60	63	0	Mukul K. Sinha
			Deadlock Detection is Cheap.	19	34	0	Rakesh Agrawal
						1	Michael J. Carey
						2	David J. DeWitt
			Fixing Pages in Database Buffer.	52	59	0	Wolfgang Effelsberg
			The Optimal Selection of Secondary Indices is NP-Complete.	72	75	0	Gregory Platetsky-Shapiro
			Why Sort-Merge Gives the Best Implementation of the Natural Join.	39	51	0	T. H. Merrett
13	3		Adding Database Management to Ada.	13	17	0	Patrick A. V. Hall
			An Informal Approach to Formal Specifications.	32	41	0	Antonio L. Furtado
			Comparison of Four Relational Data Model Specifications.	18	31	0	Winfried Lamersdorf
			How the DBA Stole Christmas, or The Case for Separately Compiled Access Modules.	11	12	0	David S. Reiner
						1	Arnon Rosenthal
			Interfacing a Query Language to a CODASYL DBMS.	46	64	0	Roger M. Tagg
			Research Issues in Database Specification.	42	45	0	Michael L. Brodie
			The Devolution of Functional Analysis.	65	91	0	Ken Meyer
						1	John Doughty
13	4		"I wish I were over there": Distributed Execution Protocols for Data Definition in R*.	238	242	0	Paul F. Wilms
						1	Bruce G. Lindsay
						2	Patricia G. Selinger
			A High Performance, Universal, Key Associative Access Method.	120	133	0	David B. Lomet
			A New Characterization of Independence.	92	96	0	Peter Honeyman
						1	Edward Sciore
			An Abstract Model of Database Concurrency Control Algorithms.	97	107	0	Michael J. Carey
			An Experimental Comparison of Locking Policies in a Testbed Database System.	108	119	0	Walter H. Kohler
						1	Kenneth C. Wilner
						2	John A. Stankovic
			Answering Queries in Relational Databases.	173	177	0	Alessandro D'Atri
						1	Marina Moscarini
						2	Nicolas Spyratos
			Database Theory: Where Has It Been? Where Is It Going? (Abstract).	2	2	0	Phillip A. Bernstein
			Database Usability (Abstract).	1	1	0	C. J. Date
			DBMS and AI: Is There any Common Point of View?	134	134	0	Michael Stonebraker
			Designing Globally Consistent Network Schemas.	185	195	0	Sharon McCure Kuck
						1	Yehoshua Sagiv
			Distributing A Database for Parallelism.	23	29	0	Eugene Wong
						1	Randy H. Katz
			Estimating Block Transfers and Join Sizes.	40	54	0	Stavros Christodoulakis
			Forms Approach to Requirements Specification for Database Design.	161	172	0	Nan C. Shu
						1	Harry K. T. Wong
						2	Vincent Y. Lum
			Fragments of Relations.	15	22	0	David Maier
						1	Jeffrey D. Ullman
			Functional Dependencies on Cyclic Database Schemes.	79	91	0	Kent Laver
						1	Alberto O. Mendelzon
						2	Marc H. Graham
			Incomplete Information and Dependencies in Relational Databases.	178	184	0	Tomasz Imielinski
						1	Witold Lipski Jr.
			On Merging Partitioned Databases.	6	14	0	David D. Wright
			On the Design of a Query Processing Strategy in a Distributed Database Environment.	30	39	0	Clement T. Yu
			Overview of an Ada Compatible Distributed Database Manager.	228	237	0	C. C. Chang
						0	Arvola Chan
						1	Umeshwar Dayal
						2	Stephen Fox
						3	Nathan Goodman
						4	Daniel R. Ries
						5	Dale Skeen
			Practical Problems in Data Management - A Position Paper.	3	3	0	Jim Gray
			Query Processing Utilizing Dependencies and Horizontal Decomposition.	55	67	0	Yahiko Kambayashi
						1	Masatoshi Yoshikawa
			Range Nesting: A Fast Method to Evaluate Quantified Queries.	196	206	0	Matthias Jarke
						1	Jrgen Koch
			Relational Queries in a Domain Based DBMS.	219	227	0	Michele Missikoff
						1	Michel Scholl
			Remotely-Sensed Geophysical Databases: Experience and Implications for Generalized DBMS.	146	160	0	Guy M. Lohman
						1	Joseph C. Stoltzfus
						2	Anita N. Benson
						3	Michael D. Martin
						4	Alfonso F. Cardenas
			The Database Language GEM.	207	218	0	Carlo Zaniolo
			Time and Databases.	243	245	0	Gad Ariav
						1	James Clifford
						2	Matthias Jarke
			Top-Down Statistical Estimation on a Database.	135	145	0	Neil C. Rowe
			Views on Data Management.	4	5	0	Erich J. Neuhold
			Windows on the World.	68	78	0	David Maier
						1	David Rozenshtein
						2	David Scott Warren
14	1		A Straightforward Formalization of the Relational Model.	15	38	0	Timo Niemi
			An Informal Approach to Formal Specifications.	45	54	0	Kalervo Jrvelin
			Book Review - Edward A. Feigenbaum and Pamela McCorduck, The Fifth Generation: Artificial Intelligence and Japan's Computer Challenge to the World.	64	65	0	Antonio L. Furtado
			Distributing a database for Parallel Processing is NP-hard.	55	60	0	Neil C. Rowe
			Implementation of Data Abstraction in the Relational Database System Ingres.	1	14	0	H. C. Du
						0	James Ong
						1	Dennis Fogg
						2	Michael Stonebraker
			Practical Hardware for Linear Execution of relational database Operations.	39	44	0	T. H. Merrett
			Some Comments on "Deadlock Detection is Cheap" in SIGMOD Record Jan 83.	61	63	0	W. N. Chin
14	2		A Methodology for Database System Performance Evaluation.	176	185	0	Haran Boral
						1	David J. DeWitt
			A Multikey Hashing Scheme Using Predicate Trees.	107	114	0	Patrick Valduriez
						1	Yann Vimont
			Accurate Estimation of the Number of Tuples Satisfying a Condition.	256	276	0	Gregory Platetsky-Shapiro
						1	Charles Connell
			An Active Mail System.	215	222	0	John Hogg
						1	Stelios Gamvroulas
			An Empirical Comparison of B-Trees, Compact B-Trees and Multiway Trees.	33	46	0	David M. Arnow
						1	Aaron M. Tenenbaum
			An Implementation of GEM - Supporting a Semantic Data Model on a Relational Back-End.	286	295	0	Shalom Tsur
			An Optimizing Prolog Front-End to a Relational Query System.	296	306	0	Carlo Zaniolo
						0	Matthias Jarke
						1	James Clifford
						2	Yannis Vassiliou
			Browsing in a Loosely Structured Database.	197	207	0	Amihai Motro
			Combining Relational and Network Retrieval Methods.	131	142	0	Huel-Huang Chen
						1	Sharon McCure Kuck
			Data Management Facilities of an Operating System Kernel.	58	69	0	Sharon McCure Kuck
						0	Hans Diei
						1	Gerald Kreissig
						2	Norbert Lenz
						3	Michael Scheible
						4	Bernd Schoenle
			Database Evaluation Using Multiple Regression Techniques.	70	76	0	Matthias Jarke
			Database Support for Interactive Computer Graphics.	90	99	0	James Clifford
			Design and Implementation of an Extendible Integrity Subsystem.	9	17	0	Yannis Vassiliou
						0	Amihai Motro
			Designing DBMS Support for the Temporal Dimension.	115	130	0	Hui-Huang Chen
						1	Sharon McCure Kuck
						0	H. Werner
						7	John Woodfill
			Efficient Processing of Relational Calculus Expressions Using Range Query Theory.	164	175	0	Dan E. Willard
			Implementation Techniques for Main Memory Database Systems.	1	8	0	David J. DeWitt
						1	Peter Dadam
						2	R. Erbe
						3	Jrgen Gnauer
						4	Peter Pistor
						5	Georg Walch
						6	Eric Simon
						7	Patrick Valduriez
						0	Vincent Y. Lum
						1	Peter Doughty
						2	R. Erbe
						3	Jrgen Gnauer
						4	Peter Pistor
						5	Georg Walch