

Extent: seven cubic feet

Inclusive dates: 1980-1999

Bulk dates: 1991-1999

Provenance: The records originated in the Department of Computer Science. This series incorporates accession 01-19.

Restrictions: There are no restrictions on access.

Processing: Dennis S. Taylor, University Archivist, April 2002.

Administrative history note:

- Courses in Computer Science first offered, 1965-1966
- Department of Computer Science created July 1, 1978.
Albert Turner, Acting Head, July 1978-April 1979; Head, 1979-1993
Stephen T. Hedetniemi, Acting Department Head, 1993-1994; Head, 1994-1995;
Chair, 1995-1997
Harold Grossman, Acting Chair, 1997-1998
John C. Peck, Chair, 1998-2000
Pradip Srimani, Chair, 2000-present
- Master of Science degree program instituted 1980-1981.

Scope and content:

This series of records consists of scholarly papers, graduate research papers, and theses written by candidates for the Master of Science degree in Computer Science. The papers, which span the years 1980-1999, are arranged numerically in their original order.

To facilitate locating a particular paper, listings by author, title and year are provided. The listing by author begins on page eighteen of this finding aid, the listing by title begins on page thirty-four, and the listing by year begins on page fifty.

Subjects: (Library of Congress 21st Edition)

Clemson University—Department of Computer Science
Clemson University—Theses—Computer Science
Computer science literature—South Carolina

Listing by Number

No.	Author	Title	Year
001	Able, Sylvia	Process Management in the VMS & ULTRIX Operating Systems	1987
002	Ammons, L. Karlyn	Restructuring Compilers for Parallel Processors	1989
003	Arabatzis, Taso D.	Experimental Comparison of Message Routing Algorithms for Multiprocessor Systems	1989
004	Aravind, P. S.	Selectable Heuristics for Instruction Scheduling	1992
005	Aluri, Bharat Chand	Comparison of Database Sharing Systems	1989
006	Barnes, Frances T.	Study on Grid-Formatted Hierarchical Data Structures for Pictorial Data	1986
007	Barnhart II, David C.	Polling in Trees: An Analysis of a Special Case Problem	1988
008	Barnhart, Scott	Empirical Analysis of Optimizer Quality	1990
009	Beck, Louis R.	Universal Intermediate Language to Target Language Translator	1983
010	Bommisetty, Lokender	Study of Non-Dag Based Instruction Scheduling Techniques	1991
011	Brown, Michael L.	Reliability Estimation of Life Critical Computing Systems with Time Varying Failure Processes	1998
012	Blumer, Todd N.	Visual Pedagogic Tool for the Development of Finite-State Automata	1989
013	Buchheit, Nathan A.	Implementation of an Integer-mode Hopfield Neural Net	1991
014	Buddhavarapu, Bapiraju	MicroCIM: a Distributed Operating System for Computer Integrated Manufacturing	1991
015	Camp, Jeffrey N.	Intra-Procedural Register Allocation Using the GNU C Compiler on the SPARC	1991
016	Campbell, Maxine H.	Improving Performance of the Dennis Data Flow Machine	1987
017	Cannata, J. Scott	Precedence Matrix Partitioning for Precedence Table Construction	1989
018	Cape, Charles J.	MVAU an Expression-Path Testing Criterion	1985
019	Chang, Donghong	Software Engineering through Project Management	1984
020	Chern, Jih-Cherng	Cause and Prevention of Deadlocks in Packet Switched Networks	1987
021	not assigned		

022	Clegg, Elaine	Instruction Scheduling for Pipelining, a Case Study: the Celerity C-1200	1989
023	Cox, Linda S.	Fuzzy Sets: a Humanistic Approach to Natural Language Processing on the Computer	n.d.
024	Cox, Stan	Code Scheduling for the MC88110 Superscalar RISC Processor Using Reservation Tables	1992
025	Craft, William M.	Detecting Equivalent Mutants Using Compiler Optimization Techniques	1989
026	Crosmun, William	Interactive Environment for Scene Specification and Raytracing	n.d.
027	Devarajan, Krishnamachari	User Interface System for Automated Guided Vehicles	1990
028	Dharmaraj, Satish	Analysis of Distributed Join Algorithms	1990
029	Divatia, Shardul	Simulated Annealing for the Design of Distributed, Fault Tolerant, Computing Environments	n.d.
030	Domenikiotis, Dimitrios	YAAM: Yet Another Access Method	1985
031	Dove, Carol L.	Context Sensitive Color Quantization	1991
032	Edmonson, William	Virtual Machine Environment	1991
033	Ferguson, Lynda	Automatic Speech Analysis: Phonetic Identification	1987
034	Fichter, Scott V.	HyperMothra: a Parallel Interpreter for the Mothra Mutation Testing System	1991
035	Foster III, C. Evan	Experiment with Register Allocation Inside GNU C	1991
036	Fuller, W. Harold	Synchronization Algorithms for Distributed Simulations	1983
037	Gasparini, Elvis	Neural Networks for Blob Recognition	1992
038	Godfrey, Beth	Parallel Implementation for Finding a Maximal Clique in an Undirected Graph	1988
039	Gottipati, Praveen	Analysis of Failures in the Modified Tree Commit Protocol for Distributed Databases	1990
040	Graham, Charles S.	Two Source Code Transformation Systems for the Optimization of Functional Programs	1990
041	Graham Jr., John S.	Prototype Expert System for System Programming	1987

042	Griswold, David	Database Security: A New Approach	1983
043	Gupta, Vinod K.	Design of a Data Transfer System to Transfer Files Between a Microcomputer and a Mainframe on a Multidrop Line	1983
044	Hallowell, Charles G.	On the Efficient Sequential Processing of IDMS Database Areas	1981
045	Harris, Mark	Extending Microcode Compaction for Real Architectures	1986
046	Hickman, Hubert B.	Three Dimensional Lindenmayer Systems	1986
047	High, Mary Lejune	Graph Coloring: An Overview of Algorithms	1984
048	Hightower, Jeff	Comparison of Two Methods for Designing Systolic Arrays	1988
049	Hollis, William M.	Portability Considerations in Developing System Applications	n.d.
050	Hong, Chia-Min	Computer-Aided Logical Database Design	1987
051	Hsieh, Wan-ting	Distributed File System	1986
052	Hudson, Joe T.	Single Length Reductions in Simple Precedence Parsing	1989
053	Hwang, Chi John	Object-Oriented Data Model for Design Applications	1988
054	Jackson, Anderson H.	Minimum Set Cover and Simulated Annealing: Single Processor and Multiprocessor Algorithms	1990
055	James, Brenda F.	Study of the Entity-Relationship Model and the Semantic Data Model	1985
056	James, Clifton B.	Study of Natural Language Database Query Systems	1984
057	Jenkins, Tammy L.	Trace Shift: a Testing Technique for Concurrent Programming	1988
058	Johnson, James A.	Application of Neural Networks to Semiconductor Equipment Models	1991
059	Kalyur, Seshasayee	Graphical User Interface System for Automated Guided Vehicles	1991
060	Kelley, David	Cascaded Augmented Transition Network Grammars in Natural Language Processing	1987
061	Khanna, Ambreesh	Distributed Algorithm for Generation of the Kth Best Spanning Tree	1990
062	King, Adam	Remote Procedure Calls in the Sun Environment	1991
063	King, Roger	Longhaul Network Interconnection Techniques	1987
064	Kolte, Priyadarshan	Load/Store Range Analysis for Global Register Allocation	1992
065	Krishnamurthy, Sanjay	Static Scheduling of Multi-Cycle Operations for a RISC Processor	1990

066	LaBeau, Gary M.	Error Recovery with Earley's Algorithm for Parsing Context Free Grammars [2 parts]	1989
067	Laird, Michael	Distributed Object-Oriented System for Photorealistic Image Generation	1992
068	Ledford, Tim	Storage Hierarchies and Computer Performance	n.d.
069	Lee, David C.	Implementation of Sparse Matrix Technology	1992
070	Lee, Stephen D.	Weak vs. Strong: an Empirical Comparison of Mutation Variants	1991
071	Lee, Yen Hwa	Concurrent Programming in ADA and MODULA-2	1984
072	Li, Jing-Na	Heterogeneous Databases	1985
073	Lu, Yu Diann	Study of Several Variations of Distributive Partitioning Sorting	1988
074	Lyles, Phillip D.	Graph Theoretic Techniques Applied to the Computerization of Examination Scheduling	1986
075	Matuck, Trent C.	Flexible Ordering Approach to Optimization	1992
076	Maybry, R. Julie	Resource Sharing in Operating System, Computer Network, and Database System Environments	1988
077	McCourt, Karen	Exceptions and their Axiomatic Semantics	1986
078	Miller, Robert C.	Database Management System Support of Computer Aided Design/Computer Aided Manufacture	1987
079	Morcos, Sami B.	Online Reservation Systems on Microcomputers	1986
080	Moss, Richard	I/O Architecture and System Performance	1983
081	Muddana, Sekhar	Implementation of Albert: a Computer Algebra System for Nonassociative Identities	1990
082	Myers, Albert E.	Empirical Study Involving the Compression of the Problem Space with an NP-Complete Problem	1984
083	Ng, Ching-Zen	Languages for Systems Implementation	1983
084	Ng, Ming Mei	On the Selection of Objective Functions in the Configuration Design of Open Systems	1986
085	Obtani, Kazunori	Generalized Coloring and Perfection in Powers of Trees	1984
086	Pafford, William R.	Expert Computer Systems	1984
087	Palkar, Sachin B.	Human Figure Animation	1989

088	Patterson, Arthur	Plotting of an IDMS Schema Definition as a Bachman Diagram	1983
089	Patton, Eugene H.	DNA Sequencing Analysis Project	1987
090	Prabhu, Kirtikumar L.	Implementation of Utilities for Albert	n.d.
091	Pressley, David L.	Path to Godzilla	1992
092	Priester, Gary W.	Analysis of Operating System Support for Database Management	1985
093	Pugh, Aaron L.	Semi-Join Programs on a Hypercube	1989
094	Raj, Gollamudi L.	Parallel Programming in Logic: the Concurrent Prolog Approach	1988
095	Rangarajan, G.	Theoretical Development on Communicating Sequential Processes	1987
096	Reynolds, Christine	Graphical Tool for Designing Petri Nets	n.d.
097	Reynolds, Robert	Markov-Based Digital Halftoning	n.d.
098	Richards, Jeff	Natural Distribution of First Digits	1985
099	Rivers, Thomas D.	XLL: a Subset of TDR Languages	1986
100	Roa, Guillermo	Analytical Model for the Performance Prediction of Modern Microcomputers	n.d.
101	Schwartz, Robert J.	Design and Development of a Dynamic Program Behavior Measurement Tool for the Intel 8086/88	n.d.
102	Seaman, Emil	Using Symbolic Evaluation to Address the Internal Variable Problem	1989
103	Sharma, Anupkumar	Systolic Design Methods for Deeply Nested Loop Algorithms	1988
104	Shore, Roger	Checkpoint Interval Selection in the Critical Task Environment with Realistic Time Constraint	n.d.
105	Shrivastava, Sumant	Simulation of Dual Persistent CSMA/CD Protocols	1991
106	Sikkema, Deborah M.	Module Generation: a Component of Silicon Compilation and a Workstation Tool	1989
107	Silhavy, James W.	Empirical Results of a Program Generator for Code-driven Lexical Analysis	1989
108	Sinha, Arup	CLEMGRAPHICS: a Portable Segmented 3D Graphics System	1991
109	Sloan, James Charles	Inferences and Multilevel Security in Database Management Systems	1990
110	Sokoler, David	Simple Precedence Grammars and Single Length Productions	1987

111	Subramanian, Vasudevan	Performance Prediction of UNIX Systems Using a Linear Regression Model	1987
112	Suggs, Darrell	Use of Future Knowledge in the Design of a Disk Scheduling Algorithm	n.d.
113	Summers, Chuck S.	PARA-Tiger Fortran: Support for Scientific Applications on Distributed Computing Systems	1990
114	Tan, Young-Yi	Query Optimization in Distributed Database Management Systems	1986
115	Thomas, Mark A.	Human Factors in Interface Design	1987
116	Thormodsrud, Stig	Post-Link Instruction Scheduling	1991
117	Thung, Shen-Ming	FDM [Functional Data Model]	1985
118	Turimella, Jagdish	Design and Implementation of an Object-Oriented Educational Artifact for the Software Engineering Institute	1990
119	Tillett Jr., Harold J.	Automated Compiler Building	n.d.
120	Tolani, Rohini	Integrated Interprocedural Program Representation for a Maintenance Environment	1992
121	Thuremella, Chandra	Sequencing and Timetabling Algorithms for Single Machine Job Scheduling	n.d.
122	Tzeng, Yina Chang	Comparative Analysis of Query Languages in Five Commercial Database Management Systems	1984
123	Vaidya, Divyesh	Transforming Systolic Array Designs Using the Space-Time Diagram	n.d.
124	Venkatesan, Raghavan	Implementation of Text Retrieval System	1990
125	Walden, Scott	Survey of Single Instruction Stream/Multiple Data Stream Architectures	1981
126	Ward, Alan	Linear Program for Parsing Series-Parallel Graphs: and Its Application in Solving the Domination Problem for Series-Parallel Graphs	1988
127	Wolfe, Bill	Deferred Data Structuring Extended to Dynamic Data Sets	1990
128	Williams, Walter R.	X.25 and TCP/IP Network Protocols	1985
129	Williams, Leslie J.	Distributed Ray Tracing Using Remote Procedure Calls and Socket Based IPC	1991
130	not assigned		
131	Wood, John	Interprocedural Register Allocation of Global Variables	1991

132	Xie, Ying	Object Recognition Using Neural Networks	1990
133	Yacu, Raad A.	Is One-pass Enough?	1991
134	Yang, Dong-Fa Mark	Comparative Study of Commercial Local Area Networks Applications	1984
135	Yannakopoulos, Demetrios J.	Precedence Function Tables	1987
136	Yao, Ting D.	Pedagogical Tool for Performance Evaluation of Concurrency Control Algorithms in Database Systems	1988
137	Young, Jyandung T.	Integration of Distributed Simulation Technology with a Multi-Version DBMS	1992
138	Zurovchak, Cheryl L.	Markov: a Graphical Tool for Constructing and Evaluating Markov Models	n.d.
139	Untch, Roland	Schema-based Mutation Analysis: a New Test Data Adequacy Assessment Method	n.d.
140	Sundhar, Kalyan R.	Empirical Comparison of Object-Oriented Methodologies	1993
141	Rane, Keerti	Effects of Software Prefetching and Tiling on the Performance of Matrix Multiplication for the 88110 Superscalar Microprocessor	1993
142	Junkins, Stephen	Radiosity Extension to PHIGS PLUS	1993
143	Harris, Frederick C.	Data Diversity: a Search for Direction	n.d.
144	Moolky, Sudhir	Working Set Based Workload Characterization and Cache Miss Ratio Prediction	1993
145	Dasari, Viswanath	Distributed Object-Oriented System for Editing Three Dimensional Objects	n.d.
146	Hanrahan, Kevin M.	Designing a Neural Network Topology for the Traveling Salesman Problem	1989
147	McDaniel, Robert	Effects of Polymorphism, Dynamic Binding, and Object State on Testing the Interaction of Classes	n.d.
148	Page Jr., C. David	Design and Classification of Prolog Machines	1987
149	Hutchinson, Wayne	Dealing with Uncertainty in Expert Systems	1987
150	Weatherly Jr., Richard Miller	Performance Evaluation of the Time Shared Bus and the Parallel Loop in Multiple Processor Systems	1980
151	Oakes, Tracey M.	WIMPy Mothra: a Mutation Analysis Testing Environment	1993

152	Blackburn, Marvin L.	Institutional Research on the Impact of Student Financial Aid on Enrollment Decisions: an Implementation of the First Time Enrollment Model with an Emphasis on a System to Manage Model Analysis	1993
153	Chopra, Rahul	Slotwise Testing: a New Approach to Data Flow Testing	1993
154	Jain, Rajat	Parallel Genetic Algorithm for Solving 2D Bin Packing Problems with Arbitrary Figures	1993
155	Potluri, Dora	Object-Oriented Data Model for Multimedia Applications	1993
156	Tewary, Kanupriya	Approach to Fault Classification and Fault Seeding Using the Program Dependence Graph	1993
157	Medbery, Robbie	Parallel Distributed Processing Systems: the Neural Solution	1987
158	Manzon, Eric	Data Flow Languages: Theory and Implementation	1984
159	Davis, Lora	Comparison of Fizzy Process Controllers with Pi Process Controllers	1987
160	Lovegrove, Jocelyn	Design Methods for Partitioned Systolic Arrays	1989
161	Singh, Harminder G.	Parallel Implementation for the Domination Number of a Grid Graph	1987
162	Vrouwenvelder, Adrian P.	Translation of Systolic Array Programs into Instruction Systolic Array Programs	1988
163	Vemuri, Chandramouli Sarat	Case Based Reasoning Applied to Uniform Size Prediction	1993
164	Stewart, Lionel S,	Domination of $G_{m,h,n}=P_m \times P_h \times P_n$	1994
165	Mulye, Nishad V.	Validating the Dimensions of Classification	n.d.
166	Holoman, Daryl T.	Expert Database System for Protein Sequencing Sample Analysis	n.d.
167	Soares, Carlos E.	Upper Bound for the Bandwidth of Binomial Trees	1994
168	Ojha, Neeraj	Object Oriented Metrics for Early System Characterization: a CRC Card Based Approach	1994
169	Douglass, John T.	Using a Shot Clock to Design an Efficient Parallel Distributed Simulation	1994
170	Jiang, Shan	Integrated Instruction Scheduler and Register Allocator on the MC8810	1994
171	Crane, Darren	Xpetri Modeling Tool	1994
172	Gupta, Devidas	Scheduling Techniques for Improving Data Cache Performance	1994
173	Baker, John	Effects of Virtual Page Placement on Cache Miss Ratios	1992

174	Ware, Peter L.	Improvements in Register Allocation for GNU C on a Sun 4 SPARC Computer	1990
175	Deshpande, Narendra	Distributed Kung-Robinson Concurrency Control Algorithm	n.d.
176	O'Neal, James S.	SPARC Implementation Simulator for Code Optimization Evaluation	1989
177	Cook, David R.	Dynamic and Static Instruction Counter for the Evaluation of SPARC Compilers	1990
178	Abbott, David H.	Proposed Design Complexity Metric for Object-Oriented Development	n.d.
179	Hunnicut, David	Ddg Construction Algorithms	1991
180	Krishnaswamy, Anand	Program Slicing: an Application of Object-Oriented Program Dependency Graphs	1994
181	Koehler, Ekkehard G.	Domination Problems in Three-Dimensional Dimensional Chessboard Graphs	1994
182	Jindal, Vinit	Investigation of Learning in a Case-Based Reasoning System	1994
183	Starcher, William G.	Disk Caching	1987
184	Sikkema, Dwight J.	Concurrency Control in Distributed Database Management Systems (DDBMS)	1985
185	Seekond, Mandeep S.	Computer Network Gateways	1987
186	Deep, Nilya	Comparing OS/2 Presentation Manager and X Windows/Motif Environment: Developing the User Interface for a Computer Integrated Manufacturing Software: a Case Study	1991
187	Liao, Kochen	Database Machines	1983
188	Chakraborty, Ujjwal	TALC/EDI: a Standard EDI Software for Textile & Apparel Industries	1991
189	Smith, Keith	Linear-time Computability of Subgraph Problems on Series-Parallel Graphs	1986
190	Pittard, Eve	Disk Scheduling: Evaluation in the System Environment	1986
191	Allen, Robert A.	Alternative Performance Measure	1985
192	Beede, Mike	Analytical Model for Predicting the Behavior of Disk Scheduling Algorithms under UNIX System	n.d.
193	Rao, Venkateshwar E.	Mirage Problem in Digital Halftone Resolution	1989
194	Roberson, Charles W.	Design Extensions to Adaptive Resonance Theory Neural Networks	1994

195	Lloyd, John	Abstract Execution and Parallelization in Data Flow Testing	1994
196	Raghavan, Prathima	Application Design Considerations for Distributed Database Management Systems in a Client/Server Environment	1994
197	Dreuter, James A.	Implementation of a Process-Driven Simulation Library	1994
198	Kamath, Sanjay S.	Psychological Complexity Measure at the Domain Analysis Phase of an Object-Oriented System	1994
199	not assigned		
200	Croeze, Marcelino A.	Data Compression	1992
201	Galluscio, Anthony P.	Event-Driven and Time-Driven Parallel Simulation: a Comparison	1995
202	Montroy, Albert	Parallel Distributed Simulation of a Large Scale PCS Network: Keeping Secrets	1995
203	Ludwick, Jennifer	Parallel and Genetic Approach to the Steiner Tree Extraction Problem	1995
204	Smith, Alan B.	Using Virtual Reality for the Simulation of Infrared Environments for Human Training	1995
205	Postner, Lori E.	Human Perception of Halftoned Images	1995
206	Divekar, Anand	Analysis of a Neural A/D Converter	1988
207	Smith, James M.	MCC: a Modular and Extensible C Compiler	1995
208	Siegmund, Rebecca	Comprehensive Program Representation of Object-Oriented Programs	1995
209	Hingorani, Sunil	Fault-tolerant Centralized Load-sharing Scheduler	1995
210	Smith, Laurie A.	Investigation of the Relationship Between Dynamic and Static Testability Measures	1995
211	Messick, Benjamin	Finding Irredundant Sets in Queen's Graphs Using Parallel Genetic Algorithms	1995
212	Ranjan, Vijay	Neural Network Approach to Product Intervals of Availability in Network of Workstations	1995
213	Tyagi, Prashant	Comparison of Image Processing Techniques for Determining Dimensions of the Human Body	1995
214	Singh, Manvinder	System for Analyzing Object Oriented Software	1995
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216	Ramadan, Mazin O.	GURU: a Retargetable CFG-Based Program Reorganizer	1995

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219	Sirivelu, Krishore	Survey of Basic Block Reordering Algorithms	1996
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221	Watkins, Jane G.	Analysis of Level One Instruction Cache Designs for a Commercial Workload	1996
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224	Underwood, John N.	Evolution Program for Scheduling Classes	1996
225	Elliot, Sheryl Ann	Using the Sage++ Toolkit to Model Control Flow and Extend Cyclomatic Complexity	1996
226	Heim, Oliver	Towards Photorealism in Virtual Environments	1996
227	Rangarajan, Rajasekaran	Finding Minimum Domination Sets in the Queen's Graph Using Parallel Genetic Algorithms	1996
228	Stamey, John	Introduction to Time Varying Cellular Automata	1988
229	Santhanam, Ramapriyan	Performance Improvement of Large Two-Way Set-Associated Caches through Smart Page	1996
230	Nandkeolyar, Sandeep	Using the Sage++ Toolkit to Build a Tool for Program Understanding	1996
231	Poffenberger, Jason	Fractional Packing and Fractional Domination of $P_3 \times P_N$	1996
232	Kare, Anuradha	Parallel Architecture for Component Testing of Object-Oriented Software	1996
233	Srinivas, Satyaprasad	Testing Process Metrics	1996
234	Major, Melissa	Qualitative Analysis of Two Requirements Capturing Techniques for Estimating the Size of Object Oriented Software Projects	1996
235	Fields, Randall W.	Distributed PCS Simulation Exploits an Object-Oriented Design	1996
236	Miller, Fred A.	Validating Patterns through a Juried Approach	1996
237	Adams Jr., Kenneth L.	Toward Effective PC-Based Virtual Reality Display	1996
238	Keddy, Asha R.	Development of Criteria for the Software Architecture Testing (SAT) Technique	1996

239	Ouyang, Fuhmeei	Clinical Database Management Information Systems	1996
240	Soundararajan, Sumanth	Study of Conflict in Database Systems through Performance Simulation and Analysis of Concurrency Control	1996
241	Chandramohan, Bharath	Hardware Prefetching Techniques for List Structures	1996
242	Aerrabotu, Naveen	Time Series Forecasting Using Neural Networks	1996
243	Chitre, Sudarshan A.	Extending SIMx86 to Include Prefetching, Segmentation, Virtual Memory Addressing and Protection Mode	1997
244	Bushey, Dean	Study of Dynamic Traffic Re-routing in the National Airspace System	1996
245	Mace, Danny	Java Dynamic Local Variable Table Optimization	1996
246	Doetsch, Eric C.	Implementation and Comparison of Worst Case Red-Black Binary Trees and AVL Binary Trees	1996
247	Chen, Bin	Design and Implementation of a PCS Network Simulation Using SIMPLE	1996
248	Shealy, Alan R.	SIMx86: an Extensible Simulator for the Intel 8086 Processor Family	1996
249	Davis, Michael Lee	Explorations of Triangular Peg Solitaire	1996
250	Jiang, Leho	Database Design and Implementation of Manufacturing Product Routing and Lot Definitions	1996
251	Capes, Adam	Context-Centered Architectural Approach to Documenting Object Oriented Software Frameworks	1996
252	Chu, Huiqi	Oracle Database Interface to the RADIUS Authentication	1996
253	Shirhatti, Sachin A.	Technique for Observing Kernel Mode Activity on a Pentium-Based Linux System	1997
254	Gilkey, Harold	Enhanced Network Security through System Monitoring and Reporting	1997
255	Peck, Robert R.	Tgen Test Case Generation Using a Parallel Genetic Algorithm	1997
256	Chetuparambil, Madhu	Multi-threaded Petri Net Simulator	1997
257	Christ, Derrick P.	Othello Game-Playing Using Parallel Genetic Algorithms	1997
258	Cantrell Jr., Kenneth	Extracting Human Body Measurements from Three-Dimensional Full-Body Point Scans	1997
259	Shan, Tony Chao	Tunable Matching Criterion for Adaptive Resonance Theory	1997

260	Stinson, William Todd	Automated Color and Texture Extraction for Creating Quadratic-Based Virtual Environments	1997
261	Owens, Donald G.	Signal Detection and Classification Using Wavelets and Neural Networks	1997
262	Russ, Jason L.	On the Computability of Chaotic Functions	1997
263	Tantawy, Dina M. El	Application in Computer Algebra: the Modular Strum Method	1997
264	Sankaran, Aravind	Testing Effort Requirement Prediction Metric	1997
265	Chinnaswami, Karthick	Performance Analysis of a Probabilistic Neural Network to Classify Satellite	1997
266	Dhand, Rochna S.	PCS Simulation Using Distributed Objects in a CORBA Environment	1997
267	Marshall, Carl Scott	Convex Surface Measurement from Planar Projections	1997
268	Ravishankar, Geetha	Study of Call Behavior of IBS Traces	1997
269	Shah, Mukarram H.	Implementational Constraints of the Functional Requirements in the Design of Computer Supported Cooperative Work (CSCW) System	1997
270	Rammohan, Deepak	DPACT-Distributed Parallel Architecture for Component Testing: a Strategy for Testing Interacting Distributed Components	1997
271	Li, Liangren	Platform independent Grader Program Using the Java Development Kit (JDK)	1997
272	Kalyanakrishnan, Viswanathan	Empirical Study of the Effects of Careful Page Placement in Real-Indexed Caches	1997
273	McLay, Courtlan	Parallel Genetic Algorithm for Shortest Paths in 3D	1997
274	Bandaru, Sridhar	Parallel Architecture for System Testing (PAST)	1997
275	Chhatriwala, Murtuza	Computations for Measurement of Three Dimensional Whole Body Point Scans	1998
276	Hughes, Shannon Ray	Incorporating a GUI into a Command Driven Application	1998
277	Putnam, Alan E.	Art-2 Employed as an Oriented Edge Detector	1997
278	Tan, Bun Kea	Optimizing the Linux Kernel	1998
279	Haungs, Michael	Extending SIM286 to the INTEL386 Architecture with 32-Bit Processing and Elf Binary Input	1998
280	Flower, Alice Nolan	Integration and Performance Testing of IP over ATM	1998

281	Page, Caroline M.	Neural Network Approaches to Daily Stock Price Prediction	1998
282	Guo, Liping	Newton Application in Chemistry: Design and Implementation	1998
283	Yang, Shaowu	Using Jet Routes to Model Path Re-routing in the National Airspace System	1998
284	Bhonsle, Amitabh	Technique to Automate IDL Generation	1998
285	Curry, Lowry	Method for Monitoring CORBA Applications within a Distributed Environment	1998
286	Kallem, Muralidhar R.	Exception Handling in Distributed Systems	1998
287	Marko, Michal	Cache Conflict Resolution through Detection, Analysis, and Dynamic Remapping of Active Pages	1998
288	Gong, Xiangzheng	Data Warehouse: Fundamentals and Implementation Issues	1998
289	Umath, Bhupesh M.	Extending Sim386 to Include Demand Paging	1998
290	Jadhav, Vishal	Web Based Interface for a Grader Program	1998
291	Koya, Prasad	TCP Congestion Control in ATM Networks	1998
292	Allwyn, Pereira X.	Automatic Generation of Test Wrapper for Testing RMI Based Distributed Objects	1998
293	Pernis, Andrew P. Van	Surface Construction from within a Virtual Environment	1998
294	Bhikshesvaran, Sripriya	Implementation and Performance Testing of a Single Copy Device Driver for the IBM ATM APE25	1998
295	Veeraraghavan, Rajesh	Toward Interoperating Java with Non-Java Object-Oriented Databases	1998
296	Treglia II, Dante	High Performance Graphics in Linux	1998
297	Vernon, David H.	Rendering Virtual Environments from Photographs: an Autonomous, Image-based Approach for Telepresence Applications	1998
298	Mordhorst, Willem A.	OPDG Tool: Algorithms to Support the Object-Oriented Program Dependence Graph	1998
299	Fotadar, Krishan	Component-based Approach to Building a WWW Peach Tree Genome Database	1998
300	Danforth, Robert	Spring Loaded Vertex Model for Radiosity Mesh Refinement	1999
301	Spicer, Kevin Franklin	Self-similarity in Network Traffic	1999

302	Viswanath, Sridatta	TCP Performance Evaluation Using TIGER Network Testbed	1999
303	Vadhiyar, Sathish S.	Static Assignment of Multithreaded Systems	1999
304	Hotle, William P.	Comparison of C Code to SUIF Generated C Code Performance on the SimpleScalar Simulator	1999
305	Zhang, Hongwei	3DM and Transom Jack	1999
306	Shelly, Brent	Visualization of Infinite Series	1999
307	Wu, Xinlei	Study of Call Behavior of Desktop Applications on Windows NT	1999
308	Pothen, Natasha	Performance Considerations for Multithreaded Programs on Small Scale Shared Memory Multiprocessors	1999
309	Sundararaman, Subbulakshmi	Testing the Robustness of a Component, Built Using a COBRA Based System	1999
310	Pandit, Tushar D.	Adequacy of Synchronization Events as a Basis for Test-Case Generation	1999
311	Sahetiya, Rajeshkumar	Functional Testing of COBRA Systems: a Wrapper Approach	1999
312	Ahmed, Ishraq M.	Linux Device Driver for the IBM CHARM-lite Asynchronous Transfer Mode Adapter	1999
313	Smith, Keith	Linear-time Computability of Subgraph Problems on Series-Parallel Graphs	1986
314	Stehman, J. B.	Even Adjacency Split Problem for Graphs	1989
315	Kesden, Gregory M.	Proxying Access to Secure Intranet Services Via the WWW	1999
316	Self, Karl S.	Design, Implementation, and Analysis of an Oracle Data Warehouse	1999
317	Sreedar, Vadivel R.	View Maintenance in Data Warehouses	1999
318	Jiang, Min	Role of Surrogate Key in Database Design and Implementation	1999
319	Deshmukh, Pushkar	Animating a Three Dimensional Whole Body Point Scan	1999
320	Shoup, Denise E.	Visualizing LALR Generated Parsers	1999
321	Zhang, Ling	GUNG HO, an Interactive, Window-based System for Collection of Clothing Alteration Data at the Department of Defense Recruit Training Bases	1999
322	Viswanathan, Sujani	View Consistency in Data Warehouses	1999
323	Tai, Xiaorong	Discrete Event Simulation with Visual Basic and Excel	1999

324	Xu, Xianting	Web Application in Chemistry Experiment: Design and Implementation	1999
325	Koya, Prasad	TCP Congestion Control in ATM Networks	1998
326	Spicer, Kevin F.	Self-similarity in Network Traffic	1999
327	see no. 321		
328	see no. 324		
329	Bever, Michael J.	Design and Implementation of Software Tools for Information Exchange in Distance Learning	1999
330	not assigned		
331	Arens, Andreas G.	Multiple Application OpenGL (Mesa) Support on GLINT Boards	1999
332	Hiransakolwong, Nualsawat	Design and Implementation Issues for Multidatabase Interfacing of Delphi with MS Access and Oracle Databases	1999
333	Bever, Mark A.	Design and Implementation of a Web-based Programming Contest	1999
334	Saraogi, Vikas	Experience and Experiments with Persistence	1999

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No.	Author	Title	Year
178	Abbott, David H.	Proposed Design Complexity Metric for Object-Oriented Development	n.d.
001	Able, Sylvia	Process Management in the VMS & ULTRIX Operating Systems	1987
237	Adams Jr., Kenneth L.	Toward Effective PC-Based Virtual Reality Display	1996
242	Aerrabotu, Naveen	Time Series Forecasting Using Neural Networks	1996
312	Ahmed, Ishraq M.	Linux Device Driver for the IBM CHARM-lite Asynchronous Transfer Mode Adapter	1999
191	Allen, Robert A.	Alternative Performance Measure	1985
292	Allwyn, Pereira X.	Automatic Generation of Test Wrapper for Testing RMI Based Distributed Objects	1998
005	Aluri, Bharat Chand	Comparison of Database Sharing Systems	1989
002	Ammons, L. Karlyn	Restructuring Compilers for Parallel Processors	1989
003	Arabatzis, Taso D.	Experimental Comparison of Message Routing Algorithms for Multiprocessor Systems	1989
004	Aravind, P. S.	Selectable Heuristics for Instruction Scheduling	1992
331	Arens, Andreas G.	Multiple Application OpenGL (Mesa) Support on GLINT Boards	1999
218	Bahadur, Satyendra	Page Placement Effects in Real-Indexed Caches	1996
220	Bahukudumbi, Ramesh	Performance Evaluation of Global Register Allocation Using Load/Store Ranges	1996
173	Baker, John	Effects of Virtual Page Placement on Cache Miss Ratios	1992
274	Bandaru, Sridhar	Parallel Architecture for System Testing (PAST)	1997
006	Barnes, Frances T.	Study on Grid-Formatted Hierarchical Data Structures for Pictorial Data	1986
007	Barnhart II, David C.	Polling in Trees: An Analysis of a Special Case Problem	1988
008	Barnhart, Scott	Empirical Analysis of Optimizer Quality	1990
009	Beck, Louis R.	Universal Intermediate Language to Target Language Translator	1983
192	Beede, Mike	Analytical Model for Predicting the Behavior of Disk Scheduling	n.d.

		Algorithms under UNIX System	
333	Bever, Mark A.	Design and Implementation of a Web-based Programming Contest	1999
329	Bever, Michael J.	Design and Implementation of Software Tools for Information Exchange in Distance Learning	1999
294	Bhikshesvaran, Sripriya	Implementation and Performance Testing of a Single Copy Device Driver for the IBM ATM APE25	1998
284	Bhonsle, Amitabh	Technique to Automate IDL Generation	1998
152	Blackburn, Marvin L.	Institutional Research on the Impact of Student Financial Aid on Enrollment Decisions: an Implementation of the First Time Enrollment Model with an Emphasis on a System to Manage Model Analysis	1993
012	Blumer, Todd N.	Visual Pedagogic Tool for the Development of Finite-State Automata	1989
010	Bommisetty, Lokender	Study of Non-Dag Based Instruction Scheduling Techniques	1991
011	Brown, Michael L.	Reliability Estimation of Life Critical Computing Systems with Time Varying Failure Processes	1998
013	Buchheit, Nathan A.	Implementation of an Integer-mode Hopfield Neural Net	1991
014	Buddhavarapu, Bapiraju	MicroCIM: a Distributed Operating System for Computer Integrated Manufacturing	1991
244	Bushey, Dean	Study of Dynamic Traffic Re-routing in the National Airspace System	1996
015	Camp, Jeffrey N.	Intra-Procedural Register Allocation Using the GNU C Compiler on the SPARC	1991
016	Campbell, Maxine H.	Improving Performance of the Dennis Data Flow Machine	1987
017	Cannata, J. Scott	Precedence Matrix Partitioning for Precedence Table Construction	1989
258	Cantrell Jr., Kenneth	Extracting Human Body Measurements from Three-Dimensional Full-Body Point Scans	1997
018	Cape, Charles J.	MVAU an Expression-Path Testing Criterion	1985
251	Capes, Adam	Context-Centered Architectural Approach to Documenting Object Oriented Software Frameworks	1996
188	Chakraborty, Ujjwal	TALC/EDI: a Standard EDI Software for Textile & Apparel Industries	1991
241	Chandramohan, Bharath	Hardware Prefetching Techniques for List Structures	1996
019	Chang, Donghong	Software Engineering through Project Management	1984

247	Chen, Bin	Design and Implementation of a PCS Network Simulation Using SIMPLE	1996
020	Chern, Jih-Cherng	Cause and Prevention of Deadlocks in Packet Switched Networks	1987
256	Chetuparambil, Madhu	Multi-threaded Petri Net Simulator	1997
275	Chhatriwala, Murtuza	Computations for Measurement of Three Dimensional Whole Body Point Scans	1998
265	Chinnaswami, Karthick	Performance Analysis of a Probabilistic Neural Network to Classify Satellite	1997
243	Chitre, Sudarshan A.	Extending SIMx86 to Include Prefetching, Segmentation, Virtual Memory Addressing and Protection Mode	1997
153	Chopra, Rahul	Slotwise Testing: a New Approach to Data Flow Testing	1993
257	Christ, Derrick P.	Othello Game-Playing Using Parallel Genetic Algorithms	1997
252	Chu, Huiqi	Oracle Database Interface to the RADIUS Authentication	1996
022	Clegg, Elaine	Instruction Scheduling for Pipelining, a Case Study: the Celerity C-1200	1989
177	Cook, David R.	Dynamic and Static Instruction Counter for the Evaluation of SPARC Compilers	1990
023	Cox, Linda S.	Fuzzy Sets: a Humanistic Approach to Natural Language Processing on the Computer	n.d.
024	Cox, Stan	Code Scheduling for the MC88110 Superscalar RISC Processor Using Reservation Tables	1992
025	Craft, William M.	Detecting Equivalent Mutants Using Compiler Optimization Techniques	1989
171	Crane, Darren	Xpetri Modeling Tool	1994
200	Croeze, Marcelino A.	Data Compression	1992
026	Crosmun, William	Interactive Environment for Scene Specification and Raytracing	n.d.
285	Curry, Lowry	Method for Monitoring CORBA Applications within a Distributed Environment	1998
300	Danforth, Robert	Spring Loaded Vertex Model for Radiosity Mesh Refinement	1999
145	Dasari, Viswanath	Distributed Object-Oriented System for Editing Three Dimensional	n.d.

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159	Davis, Lora	Comparison of Fizzy Process Controllers with Pi Process Controllers	1987
249	Davis, Michael Lee	Explorations of Triangular Peg Solitaire	1996
186	Deep, Nilya	Comparing OS/2 Presentation Manager and X Windows/Motif Environment: Developing the User Interface for a Computer Integrated Manufacturing Software: a Case Study	1991
319	Deshmukh, Pushkar	Animating a Three Dimensional Whole Body Point Scan	1999
175	Deshpande, Narendra	Distributed Kung-Robinson Concurrency Control Algorithm	n.d.
027	Devarajan, Krishnamachari	User Interface System for Automated Guided Vehicles	1990
266	Dhand, Rochna S.	PCS Simulation Using Distributed Objects in a CORBA Environment	1997
028	Dharmaraj, Satish	Analysis of Distributed Join Algorithms	1990
029	Divatia, Shardul	Simulated Annealing for the Design of Distributed, Fault Tolerant, Computing Environments	n.d.
206	Divekar, Anand	Analysis of a Neural A/D Converter	1988
246	Doetsch, Eric C.	Implementation and Comparison of Worst Case Red-Black Binary Trees and AVL Binary Trees	1996
215	Domeika, Maximilian	Two Neural Network Approaches to Star Field Recognition	1995
030	Domenikiotis, Dimitrios	YAAM: Yet Another Access Method	1985
169	Douglass, John T.	Using a Shot Clock to Design an Efficient Parallel Distributed Simulation	1994
031	Dove, Carol L.	Context Sensitive Color Quantization	1991
197	Dreuter, James A.	Implementation of a Process-Driven Simulation Library	1994
032	Edmonson, William	Virtual Machine Environment	1991
225	Elliot, Sheryl Ann	Using the Sage++ Toolkit to Model Control Flow and Extend Cyclomatic Complexity	1996
033	Ferguson, Lynda	Automatic Speech Analysis: Phonetic Identification	1987
034	Fichter, Scott V.	HyperMothra: a Parallel Interpreter for the Mothra Mutation Testing System	1991

235	Fields, Randall W.	Distributed PCS Simulation Exploits an Object-Oriented Design	1996
280	Flower, Alice Nolan	Integration and Performance Testing of IP over ATM	1998
035	Foster III, C. Evan	Experiment with Register Allocation Inside GNU C	1991
299	Fotedar, Krishan	Component-based Approach to Building a WWW Peach Tree Genome Database	1998
222	Frese, Francis C.	Simulating Dual Persistence in the Ethernet	1996
036	Fuller, W. Harold	Synchronization Algorithms for Distributed Simulations	1983
201	Galluscio, Anthony P.	Event-Driven and Time-Driven Parallel Simulation: a Comparison	1995
037	Gasparini, Elvis	Neural Networks for Blob Recognition	1992
254	Gilkey, Harold	Enhanced Network Security through System Monitoring and Reporting	1997
038	Godfrey, Beth	Parallel Implementation for Finding a Maximal Clique in an Undirected Graph	1988
288	Gong, Xiangzheng	Data Warehouse: Fundamentals and Implementation Issues	1998
039	Gottipati, Praveen	Analysis of Failures in the Modified Tree Commit Protocol for Distributed Databases	1990
041	Graham Jr., John S.	Prototype Expert System for System Programming	1987
040	Graham, Charles S.	Two Source Code Transformation Systems for the Optimization of Functional Programs	1990
042	Griswold, David	Database Security: A New Approach	1983
282	Guo, Liping	Newton Application in Chemistry: Design and Implementation	1998
172	Gupta, Devidas	Scheduling Techniques for Improving Data Cache Performance	1994
043	Gupta, Vinod K.	Design of a Data Transfer System to Transfer Files Between a Microcomputer and a Mainframe on a Multidrop Line	1983
044	Hallowell, Charles G.	On the Efficient Sequential Processing of IDMS Database Areas	1981
146	Hanrahan, Kevin M.	Designing a Neural Network Topology for the Traveling Salesman Problem	1989
143	Harris, Frederick C.	Data Diversity: a Search for Direction	n.d.
045	Harris, Mark	Extending Microcode Compaction for Real Architectures	1986
279	Haungs, Michael	Extending SIM286 to the INTEL386 Architecture with 32-Bit	1998

		Processing and Elf Binary Input	
226	Heim, Oliver	Towards Photorealism in Virtual Environments	1996
046	Hickman, Hubert B.	Three Dimensional Lindenmayer Systems	1986
047	High, Mary Lejune	Graph Coloring: An Overview of Algorithms	1984
048	Hightower, Jeff	Comparison of Two Methods for Designing Systolic Arrays	1988
209	Hingorani, Sunil	Fault-tolerant Centralized Load-sharing Scheduler	1995
332	Hiransakolwong, Nualsawat	Design and Implementation Issues for Multidatabase Interfacing of Delphi with MS Access and Oracle Databases	1999
049	Hollis, William M.	Portability Considerations in Developing System Applications	n.d.
166	Holoman, Daryl T.	Expert Database System for Protein Sequencing Sample Analysis	n.d.
050	Hong, Chia-Min	Computer-Aided Logical Database Design	1987
304	Hotle, William P.	Comparison of C Code to SUIF Generated C Code Performance on the SimpleScalar Simulator	1999
051	Hsieh, Wan-ting	Distributed File System	1986
052	Hudson, Joe T.	Single Length Reductions in Simple Precedence Parsing	1989
276	Hughes, Shannon Ray	Incorporating a GUI into a Command Driven Application	1998
179	Hunnicut, David	Ddg Construction Algorithms	1991
149	Hutchinson, Wayne	Dealing with Uncertainty in Expert Systems	1987
053	Hwang, Chi John	Object-Oriented Data Model for Design Applications	1988
054	Jackson, Anderson H.	Minimum Set Cover and Simulated Annealing: Single Processor and Multiprocessor Algorithms	1990
290	Jadhav, Vishal	Web Based Interface for a Grader Program	1998
154	Jain, Rajat	Parallel Genetic Algorithm for Solving 2D Bin Packing Problems with Arbitrary Figures	1993
055	James, Brenda F.	Study of the Entity-Relationship Model and the Semantic Data Model	1985
056	James, Clifton B.	Study of Natural Language Database Query Systems	1984
057	Jenkins, Tammy L.	Trace Shift: a Testing Technique for Concurrent Programming	1988
250	Jiang, Leho	Database Design and Implementation of Manufacturing Product	1996

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318	Jiang, Min	Role of Surrogate Key in Database Design and Implementation	1999
170	Jiang, Shan	Integrated Instruction Scheduler and Register Allocator on the MC8810	1994
182	Jindal, Vinit	Investigation of Learning in a Case-Based Reasoning System	1994
217	Johnson, Christopher	Using Wavelets and Neural Networks to Perform Signal Recognition	1995
058	Johnson, James A.	Application of Neural Networks to Semiconductor Equipment Models	1991
142	Junkins, Stephen	Radiosity Extension to PHIGS PLUS	1993
286	Kallem, Muralidhar R.	Exception Handling in Distributed Systems	1998
272	Kalyanakrishnan, Viswanathan	Empirical Study of the Effects of Careful Page Placement in Real-Indexed Caches	1997
059	Kalyur, Seshasayee	Graphical User Interface System for Automated Guided Vehicles	1991
198	Kamath, Sanjay S.	Psychological Complexity Measure at the Domain Analysis Phase of an Object-Oriented System	1994
232	Kare, Anuradha	Parallel Architecture for Component Testing of Object-Oriented Software	1996
238	Keddy, Asha R.	Development of Criteria for the Software Architecture Testing (SAT) Technique	1996
060	Kelley, David	Cascaded Augmented Transition Network Grammars in Natural Language Processing	1987
315	Kesden, Gregory M.	Proxying Access to Secure Intranet Services Via the WWW	1999
061	Khanna, Ambreesh	Distributed Algorithm for Generation of the Kth Best Spanning Tree	1990
062	King, Adam	Remote Procedure Calls in the Sun Environment	1991
063	King, Roger	Longhaul Network Interconnection Techniques	1987
181	Koehler, Ekkehard G.	Domination Problems in Three-Dimensional Dimensional Chessboard Graphs	1994
064	Kolte, Priyadarshan	Load/Store Range Analysis for Global Register Allocation	1992
291	Koya, Prasad	TCP Congestion Control in ATM Networks	1998
325	Koya, Prasad	TCP Congestion Control in ATM Networks	1998
065	Krishnamurthy, Sanjay	Static Scheduling of Multi-Cycle Operations for a RISC Processor	1990

180	Krishnaswamy, Anand	Program Slicing: an Application of Object-Oriented Program Dependency Graphs	1994
066	LaBeau, Gary M.	Error Recovery with Earley's Algorithm for Parsing Context Free Grammars [2 parts]	1989
067	Laird, Michael	Distributed Object-Oriented System for Photorealistic Image Generation	1992
068	Ledford, Tim	Storage Hierarchies and Computer Performance	n.d.
069	Lee, David C.	Implementation of Sparse Matrix Technology	1992
070	Lee, Stephen D.	Weak vs. Strong: an Empirical Comparison of Mutation Variants	1991
071	Lee, Yen Hwa	Concurrent Programming in ADA and MODULA-2	1984
072	Li, Jing-Na	Heterogeneous Databases	1985
271	Li, Liangren	Platform independent Grader Program Using the Java Development Kit (JDK)	1997
187	Liao, Kochen	Database Machines	1983
195	Lloyd, John	Abstract Execution and Parallelization in Data Flow Testing	1994
160	Lovegrove, Jocelyn	Design Methods for Partitioned Systolic Arrays	1989
073	Lu, Yu Diann	Study of Several Variations of Distributive Partitioning Sorting	1988
203	Ludwick, Jennifer	Parallel and Genetic Approach to the Steiner Tree Extraction Problem	1995
074	Lyles, Phillip D.	Graph Theoretic Techniques Applied to the Computerization of Examination Scheduling	1986
245	Mace, Danny	Java Dynamic Local Variable Table Optimization	1996
234	Major, Melissa	Qualitative Analysis of Two Requirements Capturing Techniques for Estimating the Size of Object Oriented Software Projects	1996
158	Manzon, Eric	Data Flow Languages: Theory and Implementation	1984
287	Marko, Michal	Cache Conflict Resolution through Detection, Analysis, and Dynamic Remapping of Active Pages	1998
267	Marshall, Carl Scott	Convex Surface Measurement from Planar Projections	1997
075	Matuck, Trent C.	Flexible Ordering Approach to Optimization	1992
076	Maybry, R. Julie	Resource Sharing in Operating System, Computer Network, and Database System Environments	1988

077	McCourt, Karen	Exceptions and their Axiomatic Semantics	1986
147	McDaniel, Robert	Effects of Polymorphism, Dynamic Binding, and Object State on Testing the Interaction of Classes	n.d.
273	McLay, Courtlan	Parallel Genetic Algorithm for Shortest Paths in 3D	1997
157	Medbery, Robbie	Parallel Distributed Processing Systems: the Neural Solution	1987
211	Messick, Benjamin	Finding Irredundant Sets in Queen's Graphs Using Parallel Genetic Algorithms	1995
236	Miller, Fred A.	Validating Patterns through a Juried Approach	1996
078	Miller, Robert C.	Database Management System Support of Computer Aided Design/Computer Aided Manufacture	1987
202	Montroy, Albert	Parallel Distributed Simulation of a Large Scale PCS Network: Keeping Secrets	1995
144	Moolky, Sudhir	Working Set Based Workload Characterization and Cache Miss Ratio Prediction	1993
079	Morcos, Sami B.	Online Reservation Systems on Microcomputers	1986
298	Mordhorst, Willem A.	OPDG Tool: Algorithms to Support the Object-Oriented Program Dependence Graph	1998
080	Moss, Richard	I/O Architecture and System Performance	1983
081	Muddana, Sekhar	Implementation of Albert: a Computer Algebra System for Nonassociative Identities	1990
165	Mulye, Nishad V.	Validating the Dimensions of Classification	n.d.
082	Myers, Albert E.	Empirical Study Involving the Compression of the Problem Space with an NP-Complete Problem	1984
230	Nandkeolyar, Sandeep	Using the Sage++ Toolkit to Build a Tool for Program Understanding	1996
083	Ng, Ching-Zen	Languages for Systems Implementation	1983
084	Ng, Ming Mei	On the Selection of Objective Functions in the Configuration Design of Open Systems	1986
176	O'Neal, James S.	SPARC Implementation Simulator for Code Optimization Evaluation	1989
151	Oakes, Tracey M.	WIMPy Mothra: a Mutation Analysis Testing Environment	1993
085	Obtani, Kazunori	Generalized Coloring and Perfection in Powers of Trees	1984

168	Ojha, Neeraj	Object Oriented Metrics for Early System Characterization: a CRC Card Based Approach	1994
239	Ouyang, Fuhmeei	Clinical Database Management Information Systems	1996
261	Owens, Donald G.	Signal Detection and Classification Using Wavelets and Neural Networks	1997
086	Pafford, William R.	Expert Computer Systems	1984
148	Page Jr., C. David	Design and Classification of Prolog Machines	1987
281	Page, Caroline M.	Neural Network Approaches to Daily Stock Price Prediction	1998
087	Palkar, Sachin B.	Human Figure Animation	1989
310	Pandit, Tushar D.	Adequacy of Synchronization Events as a Basis for Test-Case Generation	1999
088	Patterson, Arthur	Plotting of an IDMS Schema Definition as a Bachman Diagram	1983
089	Patton, Eugene H.	DNA Sequencing Analysis Project	1987
255	Peck, Robert R.	Tgen Test Case Generation Using a Parallel Genetic Algorithm	1997
293	Pernis, Andrew P. Van	Surface Construction from within a Virtual Environment	1998
190	Pittard, Eve	Disk Scheduling: Evaluation in the System Environment	1986
231	Poffenberger, Jason	Fractional Packing and Fractional Domination of $P_3 \times P_N$	1996
205	Postner, Lori E.	Human Perception of Halftoned Images	1995
308	Pothen, Natasha	Performance Considerations for Multithreaded Programs on Small Scale Shared Memory Multiprocessors	1999
155	Potluri, Dora	Object-Oriented Data Model for Multimedia Applications	1993
090	Prabhu, Kirtikumar L.	Implementation of Utilities for Albert	n.d.
091	Pressley, David L.	Path to Godzilla	1992
092	Priester, Gary W.	Analysis of Operating System Support for Database Management	1985
093	Pugh, Aaron L.	Semi-Join Programs on a Hypercube	1989
277	Putnam, Alan E.	Art-2 Employed as an Oriented Edge Detector	1997
196	Raghavan, Prathima	Application Design Considerations for Distributed Database Management Systems in a Client/Server Environment	1994

094	Raj, Gollamudi L.	Parallel Programming in Logic: the Concurrent Prolog Approach	1988
216	Ramadan, Mazin O.	GURU: a Retargetable CFG-Based Program Reorganizer	1995
270	Rammohan, Deepak	DPACT-Distributed Parallel Architecture for Component Testing: a Strategy for Testing Interacting Distributed Components	1997
141	Rane, Keerti	Effects of Software Prefetching and Tiling on the Performance of Matrix Multiplication for the 88110 Superscalar Microprocessor	1993
095	Rangarajan, G.	Theoretical Development on Communicating Sequential Processes	1987
227	Rangarajan, Rajasekaran	Finding Minimum Domination Sets in the Queen's Graph Using Parallel Genetic Algorithms	1996
212	Ranjan, Vijay	Neural Network Approach to Product Intervals of Availability in Network of Workstations	1995
193	Rao, Venkateshwar E.	Mirage Problem in Digital Halftone Resolution	1989
268	Ravishankar, Geetha	Study of Call Behavior of IBS Traces	1997
096	Reynolds, Christine	Graphical Tool for Designing Petri Nets	n.d.
097	Reynolds, Robert	Markov-Based Digital Halftoning	n.d.
098	Richards, Jeff	Natural Distribution of First Digits	1985
099	Rivers, Thomas D.	XLL: a Subset of TDR Languages	1986
100	Roa, Guillermo	Analytical Model for the Performance Prediction of Modern Microcomputers	n.d.
194	Roberson, Charles W.	Design Extensions to Adaptive Resonance Theory Neural Networks	1994
262	Russ, Jason L.	On the Computability of Chaotic Functions	1997
311	Sahetiya, Rajeshkumar	Functional Testing of COBRA Systems: a Wrapper Approach	1999
264	Sankaran, Aravind	Testing Effort Requirement Prediction Metric	1997
229	Santhanam, Ramapriyan	Performance Improvement of Large Two-Way Set-Associated Caches through Smart Page	1996
334	Saraogi, Vikas	Experience and Experiments with Persistence	1999
101	Schwartz, Robert J.	Design and Development of a Dynamic Program Behavior Measurement Tool for the Intel 8086/88	n.d.
102	Seaman, Emil	Using Symbolic Evaluation to Address the Internal Variable Problem	1989

185	Seekond, Mandeep S.	Computer Network Gateways	1987
316	Self, Karl S.	Design, Implementation, and Analysis of an Oracle Data Warehouse	1999
269	Shah, Mukarram H.	Implementational Constraints of the Functional Requirements in the Design of Computer Supported Cooperative Work (CSCW) System	1997
259	Shan, Tony Chao	Tunable Matching Criterion for Adaptive Resonance Theory	1997
103	Sharma, Anupkumar	Systolic Design Methods for Deeply Nested Loop Algorithms	1988
248	Shealy, Alan R.	SIMx86: an Extensible Simulator for the Intel 8086 Processor Family	1996
306	Shelly, Brent	Visualization of Infinite Series	1999
253	Shirhatti, Sachin A.	Technique for Observing Kernel Mode Activity on a Pentium-Based Linux System	1997
104	Shore, Roger	Checkpoint Interval Selection in the Critical Task Environment with Realistic Time Constraint	n.d.
320	Shoup, Denise E.	Visualizing LALR Generated Parsers	1999
105	Shrivastava, Sumant	Simulation of Dual Persistent CSMA/CD Protocols	1991
208	Siegmund, Rebecca	Comprehensive Program Representation of Object-Oriented Programs	1995
106	Sikkema, Deborah M.	Module Generation: a Component of Silicon Compilation and a Workstation Tool	1989
184	Sikkema, Dwight J.	Concurrency Control in Distributed Database Management Systems (DDBMS)	1985
107	Silhavy, James W.	Empirical Results of a Program Generator for Code-driven Lexical Analysis	1989
161	Singh, Harminder G.	Parallel Implementation for the Domination Number of a Grid Graph	1987
214	Singh, Manvinder	System for Analyzing Object Oriented Software	1995
108	Sinha, Arup	CLEMGRAPHICS: a Portable Segmented 3D Graphics System	1991
219	Sirivelu, Krishore	Survey of Basic Block Reordering Algorithms	1996
109	Sloan, James Charles	Inferences and Multilevel Security in Database Management Systems	1990
204	Smith, Alan B.	Using Virtual Reality for the Simulation of Infrared Environments for Human Training	1995
207	Smith, James M.	MCC: a Modular and Extensible C Compiler	1995

189	Smith, Keith	Linear-time Computability of Subgraph Problems on Series-Parallel Graphs	1986
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210	Smith, Laurie A.	Investigation of the Relationship Between Dynamic and Static Testability Measures	1995
167	Soares, Carlos E.	Upper Bound for the Bandwidth of Binomial Trees	1994
110	Sokoler, David	Simple Precedence Grammars and Single Length Productions	1987
240	Soundararajan, Sumanth	Study of Conflict in Database Systems through Performance Simulation and Analysis of Concurrency Control	1996
326	Spicer, Kevin F.	Self-similarity in Network Traffic	1999
301	Spicer, Kevin Franklin	Self-similarity in Network Traffic	1999
317	Sreedar, Vadivel R.	View Maintenance in Data Warehouses	1999
233	Srinivas, Satyaprasad	Testing Process Metrics	1996
228	Stamey, John	Introduction to Time Varying Cellular Automata	1988
183	Starcher, William G.	Disk Caching	1987
314	Stehman, J. B.	Even Adjacency Split Problem for Graphs	1989
164	Stewart, Lionel S.	Domination of $G_{m,h,n}=P_m \times P_h \times P_n$	1994
260	Stinson, William Todd	Automated Color and Texture Extraction for Creating Quadratic-Based Virtual Environments	1997
111	Subramanian, Vasudevan	Performance Prediction of UNIX Systems Using a Linear Regression Model	1987
112	Suggs, Darrell	Use of Future Knowledge in the Design of a Disk Scheduling Algorithm	n.d.
113	Summers, Chuck S.	PARA-Tiger Fortran: Support for Scientific Applications on Distributed Computing Systems	1990
309	Sundararaman, Subbulakshmi	Testing the Robustness of a Component, Built Using a COBRA Based System	1999
140	Sundhar, Kalyan R.	Empirical Comparison of Object-Oriented Methodologies	1993
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278	Tan, Bun Kea	Optimizing the Linux Kernel	1998
114	Tan, Young-Yi	Query Optimization in Distributed Database Management Systems	1986
263	Tantawy, Dina M. El	Application in Computer Algebra: the Modular Strum Method	1997
223	Tatum, Thomas	Partitioned Class Recognition of Handwritten Numerals	1996
156	Tewary, Kanupriya	Approach to Fault Classification and Fault Seeding Using the Program Dependence Graph	1993
115	Thomas, Mark A.	Human Factors in Interface Design	1987
116	Thormodsrud, Stig	Post-Link Instruction Scheduling	1991
117	Thung, Shen-Ming	FDM [Functional Data Model]	1985
121	Thuremella, Chandra	Sequencing and Timetabling Algorithms for Single Machine Job Scheduling	n.d.
119	Tillett Jr., Harold J.	Automated Compiler Building	n.d.
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303	Vadhiyar, Sathish S.	Static Assignment of Multithreaded Systems	1999
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295	Veeraraghavan, Rajesh	Toward Interoperating Java with Non-Java Object-Oriented Databases	1998
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302	Viswanath, Sridatta	TCP Performance Evaluation Using TIGER Network Testbed	1999
322	Viswanathan, Sujani	View Consistency in Data Warehouses	1999
162	Vrouwenvelder, Adrian P.	Translation of Systolic Array Programs into Instruction Systolic Array Programs	1988
125	Walden, Scott	Survey of Single Instruction Stream/Multiple Data Stream Architectures	1981
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221	Watkins, Jane G.	Analysis of Level One Instruction Cache Designs for a Commercial Workload	1996
150	Weatherly Jr., Richard Miller	Performance Evaluation of the Time Shared Bus and the Parallel Loop in Multiple Processor Systems	1980
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128	Williams, Walter R.	X.25 and TCP/IP Network Protocols	1985
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135	Yannakopoulos,	Precedence Function Tables	1987

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319	Deshmukh, Pushkar	Animating a Three Dimensional Whole Body Point Scan	1999
196	Raghavan, Prathima	Application Design Considerations for Distributed Database Management Systems in a Client/Server Environment	1994
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058	Johnson, James A.	Application of Neural Networks to Semiconductor Equipment Models	1991
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292	Allwyn, Pereira X.	Automatic Generation of Test Wrapper for Testing RMI Based Distributed Objects	1998
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287	Marko, Michal	Cache Conflict Resolution through Detection, Analysis, and Dynamic Remapping of Active Pages	1998
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163	Vemuri, Chandramouli Sarat	Case Based Reasoning Applied to Uniform Size Prediction	1993
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104	Shore, Roger	Checkpoint Interval Selection in the Critical Task Environment with Realistic Time Constraint	n.d.
108	Sinha, Arup	CLEMGRAPHICS: a Portable Segmented 3D Graphics System	1991
239	Ouyang, Fuhmeei	Clinical Database Management Information Systems	1996
024	Cox, Stan	Code Scheduling for the MC88110 Superscalar RISC Processor Using Reservation Tables	1992
122	Tzeng, Yina Chang	Comparative Analysis of Query Languages in Five Commercial Database Management Systems	1984
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186	Deep, Nilya	Comparing OS/2 Presentation Manager and X Windows/Motif Environment: Developing the User Interface for a Computer Integrated Manufacturing Software: a Case Study	1991
304	Hotle, William P.	Comparison of C Code to SUIF Generated C Code Performance on the SimpleScalar Simulator	1999
005	Aluri, Bharat Chand	Comparison of Database Sharing Systems	1989
159	Davis, Lora	Comparison of Fizzy Process Controllers with Pi Process Controllers	1987
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299	Fotadar, Krishan	Component-based Approach to Building a WWW Peach Tree Genome Database	1998
208	Siegmund, Rebecca	Comprehensive Program Representation of Object-Oriented Programs	1995

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185	Seekond, Mandeep S.	Computer Network Gateways	1987
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184	Sikkema, Dwight J.	Concurrency Control in Distributed Database Management Systems (DDBMS)	1985
071	Lee, Yen Hwa	Concurrent Programming in ADA and MODULA-2	1984
031	Dove, Carol L.	Context Sensitive Color Quantization	1991
251	Capes, Adam	Context-Centered Architectural Approach to Documenting Object Oriented Software Frameworks	1996
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200	Croeze, Marcelino A.	Data Compression	1992
143	Harris, Frederick C.	Data Diversity: a Search for Direction	n.d.
158	Manzon, Eric	Data Flow Languages: Theory and Implementation	1984
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250	Jiang, Leho	Database Design and Implementation of Manufacturing Product Routing and Lot Definitions	1996
187	Liao, Kochen	Database Machines	1983
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101	Schwartz, Robert J.	Design and Development of a Dynamic Program Behavior Measurement Tool for the Intel 8086/88	n.d.
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194	Roberson, Charles W.	Design Extensions to Adaptive Resonance Theory Neural Networks	1994
160	Lovegrove, Jocelyn	Design Methods for Partitioned Systolic Arrays	1989
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146	Hanrahan, Kevin M.	Designing a Neural Network Topology for the Traveling Salesman Problem	1989
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323	Tai, Xiaorong	Discrete Event Simulation with Visual Basic and Excel	1999
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190	Pittard, Eve	Disk Scheduling: Evaluation in the System Environment	1986
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067	Laird, Michael	Distributed Object-Oriented System for Photorealistic Image Generation	1992
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089	Patton, Eugene H.	DNA Sequencing Analysis Project	1987
164	Stewart, Lionel S.	Domination of $G_{m,h,n}=P_m \times P_h \times P_n$	1994
181	Koehler, Ekkehard G.	Domination Problems in Three-Dimensional Chessboard Graphs	1994
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177	Cook, David R.	Dynamic and Static Instruction Counter for the Evaluation of SPARC Compilers	1990
147	McDaniel, Robert	Effects of Polymorphism, Dynamic Binding, and Object State on Testing the Interaction of Classes	n.d.
141	Rane, Keerti	Effects of Software Prefetching and Tiling on the Performance of Matrix Multiplication for the 88110 Superscalar Microprocessor	1993
173	Baker, John	Effects of Virtual Page Placement on Cache Miss Ratios	1992
008	Barnhart, Scott	Empirical Analysis of Optimizer Quality	1990
140	Sundhar, Kalyan R.	Empirical Comparison of Object-Oriented Methodologies	1993
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314	Stehman, J. B.	Even Adjacency Split Problem for Graphs	1989
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286	Kallem, Muralidhar R.	Exception Handling in Distributed Systems	1998
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289	Umath, Bhupesh M.	Extending Sim386 to Include Demand Paging	1998
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013	Buchheit, Nathan A.	Implementation of an Integer-mode Hopfield Neural Net	1991
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015	Camp, Jeffrey N.	Intra-Procedural Register Allocation Using the GNU C Compiler on the SPARC	1991
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178	Abbott, David H.	Proposed Design Complexity Metric for Object-Oriented Development	n.d.
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234	Major, Melissa	Qualitative Analysis of Two Requirements Capturing Techniques for Estimating the Size of Object Oriented Software Projects	1996
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105	Shrivastava, Sumant	Simulation of Dual Persistent CSMA/CD Protocols	1991
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