



Designing
Efficient
Algorithms
for
Parallel
Computers

Michael J. Quinn



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Designing Efficient Algorithms For Parallel Computers

Michael J. Quinn



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Parallel Computers Michael Jay Quinn,1987 Mathematics of Computing Parallelism

Buchberger,Jens Volkert,1994-08-30 Proceedings Parallel Computing

Heath,1987-01-01 Proceedings Parallel Computing

Processing in the mainframe quickly becomes a bottleneck in any system Client server models shift the processing burden to the client computer Through workload sharing client server systems can improve efficiency while reducing costs Companies are again searching for ways to improve their processing power without further investment in new hardware and software

Many client computers are idle most of the time and have unused disk space The next logical step is to maximise the use of these computers The peer to peer P2P model is the answer A new and simple peer to peer model will be introduced in this book which will teach readers to install peer to peer systems in which users can share their computing power The target readers are those who have basic Java knowledge and are interested in building or testing the performance of peer to peer systems

Encyclopedia of Computer Science and Technology Allen Kent,James G. Williams,1991-03-29 This comprehensive reference work provides immediate fingertip access to state of the art technology in nearly 700 self contained articles written by over 900 international authorities Each article in the Encyclopedia features current developments and trends in computers software vendors and applications extensive bibliographies of leading figures in the field such as Samuel Alexander John von Neumann and Norbert Wiener and in depth analysis of future directions

Efficient Parallel Algorithms Alan Gibbons,Wojciech Rytter,1989-11-24 Mathematics of Computing Parallelism

Soft Computing and Intelligent Systems Madan M. Gupta,1999-10-28 The field of soft computing is emerging from the cutting edge research over the last ten years devoted to fuzzy engineering and genetic algorithms The subject is being called soft computing and computational intelligence With acceptance of the research fundamentals in these important areas the field is expanding into direct applications through engineering and systems science This book cover the fundamentals of this emerging filed as well as direct applications and case studies There is a need for practicing engineers computer scientists and system scientists to directly apply fuzzy engineering into a wide array of devices and systems

Vector and Parallel Processing -

VECPAR'98 Jose M.L.M. Palma,Jack Dongarra,Vicente Hernandez,2006-10-11 This book constitutes the thoroughly refereed post conference proceedings of the Third International Conference on Vector and Parallel Processing VECPar 98 held in Porto Portugal in June 1998 The 41 revised full papers presented were carefully selected during two rounds of reviewing and revision Also included are six invited papers and introductory chapter surveys The papers are organized in sections on

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eigenvalue problems and solutions of linear systems computational fluid dynamics structural analysis and mesh partitioning computing in education computer organization programming and benchmarking image analysis and synthesis parallel database servers and nonlinear problems **Parallel Algorithms for VLSI Computer-aided Design** Prithviraj Banerjee,1994-01-01 This text discusses the design and use of practical parallel algorithms for solving problems in a growing application area whose computational requirements are enormous VLSI CAD applications **Parallel Computing '91** D. J. Evans, Gerhard Robert Joubert, Heather Mary Liddell,1992 The Parallel Computing 91 International Conference was a continuation of the series of conferences held in 1983 1985 and 1989 The aim of this proceedings volume is to provide an overview of new and recent developments applications and trends in parallel computing The emphasis is on applications with the invited lectures covering thriving topics including artificial intelligence neural networks parallel computer performance parallel numerical and non numerical algorithms Contributed papers address a wider variety of topics Main Features Surveys of recent work in parallel computing involving computer architectures parallel software and algorithms and applications Recent work in parallel computing presented by active researchers Information on parallel computing activities

Вычислительные Машины И Искусственный Интеллект ,1994 **Introduction to Parallel Computing** Vipin Kumar,1994 Mathematics of Computing Parallelism **Methodologies, Techniques, and Tools for Design Development** Murat Tanik, Atila Ertas, I. I. Esat,1994 *Proceedings of the International Conference on Application Specific Array Processors, September 2-4, 1991, Barcelona, Spain* Mateo Valero,1991 The International Conference on Application Specific Array Processors ASAP 91 was held September 1991 in Barcelona Spain Application specific computing may be the solution to many computationally intensive problems Coverage here includes design mapping techniques synthesis and verification and systolic array designs and design methodologies No index Annotation copyrighted by Book News Inc Portland OR *Multiprocessors* Daniel Tabak,1990 **Impacts of Recent Computer Advances on Operations Research** Ramesh Sharda,1989 *PICA Conference Proceedings* ,1989 *Conference Papers* ,1989

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