

BIBLIOGRAPHY

- Abdullah A. R. 1991. The Four Point Explicit Decomposition Group (EDG) method: A Fast Poisson Solver. *Inter. Journal Computer Mathematics*. **38**: 61 – 70.
- Akl S.G., 1997. *Parallel Computing: Models & Methods*. Prentice-Hall.
- Albert Zomaya, 1996. *Parallel Computing: Paradigms & Applications*. Thomson Computer Press.
- Allen E., Luchango V., & Maessen J. W., 2006. The Fortress Language Specification. Available at <http://research.sun.com/projects/plrg/>
- Aloy R., Casaban M. C., Caudillomate L. A., Joda L., 2007. Computing the Variable Coefficient Telegraph Equation using a Discrete Eigen Functions Method. *Comput. & Math. Appl.* **54**: 448 – 458.
- Ambrosiano J., Quinlan D., & Armstrong R. A. 2001. Software Interoperability. *ASCI Technology Prospectus on Simulation & Computational Science*. 1: 25 – 35.
- Amdahl G. 1967. Validity of the Single Processor Approach to Achieving Large Scale Computing Capacities. *Proc. AFIPS Conference*. **30**: 483 – 485.
- Ames W. F. 1977. *Numerical Methods for partial differential equations, 2nd Ed.*
- Anderson T. E., Culler D. E., & Patterson D., 1998. A case for NOW (Networks of workstation). *IEEE Micro*. 15(1): 54-64.
- Andrzej M. G., Adam K. L., (2008). A Study of Concurrency Execution of Parallel and Sequential Applications on a Non-Dedicated Cluster. *Parallel Computing*. 34, 69 – 91.
- Anglano C., 2000. *A Comparative Evaluation of Implicit Co Scheduling Strategies for Networks of Workstations*. In : proceedings of the 9th Int'l Symposium on High Performance Distributed Computing. 221 – 228.
- Annath G., Gupta A., George K. & Vipin K., 2003. *Introduction to parallel computing 2nd edition*. England: Addison-Wesley Pearson Education.
- Armstrong R. Gannon D., Geist A., Keahy K. 1999. Toward a Common Component Architecture for High-Performance Scientific Computing. *Proceedings of the Conference on High-Performance Distributed Computing*. Available from http://www-unix.mcs.anl.gov/%7Ecurfman/cca/web/cca_paper.html.
- Athas W. C. & Seitz C.L. 1998. Multicomputers. *Message-passing concurrency computers*. 21(8): 9-24.
- Bhat P. B., Raghavendra C. S., Prasanna V. K., 2003. Efficient Collective Communication in Distributed Heterogeneous System. *Journal of Parallel & Distributed Computing*. 63 : 251 – 263.

- Bakar S. 2005. *Designing Reliable Systems from Unreliable Components: The Challenges of Transistor Variability and Degradation*. IEEE Micro, 10 – 16.
- Barry W. & Michael A. 2003. *Parallel Programming: Techniques and Application using Networked Workstation and Parallel Computers*. New Jersey: Prentice Hall.
- Bertsakos D. P & Tsitsiklis J. N. 1998. *Numerical Methods 1st Ed.*, New Jersey, Prentice Hall.
- Beverly A. Berna L. & Timothy G., 2005. *The Algorithmic Structure Design Space in Parallel Programming* Wesley Professional.
- Bin Jia, 2009. Process Cooperation in Multiple Message Broadcast. *Parallel Computing*. **35** (12): 572 – 580.
- Blaise B. 1994. *Introduction to Parallel Computing*. Lawrence Livermore National Laboratory.
- Blumrich M. A., Li K., Alpert R. D. & Dubnicki C. 1995. Towards a Realistic Model of Parallel Computation. *Proc. Fourth Symp. On Parallel Processing*. 24: 1 – 10.
- Bodon N. J., Cohen N., Robert E. F & Alan E. 1995. A Gigabit-per-Second Local-Area Network. *IEEE-Micro*: 15 (1), 29 – 36.
- Braunl T. 1993. *Parallel Programming: An Introduction*, London: Prentice Hall.
- Bruck J., Doler D., Ho C., Rosu M. & Strong R. 1997. Efficient Message Passing Interface (MPI) for Parallel Computing on Clusters of Workstation. *Journal of Parallel and Distributed Computing*. **40** (1): 19-34.
- Burns A., 1988. *Programming in Occam2*. England: Addison-Wesley.
- Burden F. R. & Douglass D. J. 2000. *Numerical Analysis* Canada: Book Cole Thomson Learning.
- Buyya, R. 1999. *High Performance Cluster Computing: Programming and Application*. London: Prentice Hall.
- Callahan D., Chamberlain B. L. & Zima H. P., 2004. The Cascade High Productivity Language. In Proceedings of the 9th Int'l Workshop on High-Level Parallel Programming Models & Supportive Environment, IEEE Computer Society: 52 – 60.
- Callahan D. & Kennedy K. 1988. Compiling Programs for Distributed Memory Multiprocessors. *Journal of Supercomputer*. **2**: 151 – 169.
- Carnahan B., Luther H. A. & Wilkes J. O. 1969. *Applied Numerical Methods*. New York: Wiley.
- Chan T. & Saied F. 1987. *Hypercube Multiprocessors*. SIAM, Philadelphia.

- Chi-Chung H., Ka-Kaung G., et. al. 1994. Solving Partial Differential Equations on a Network of Workstations. *IEEE Transactions*. **9**: 194 – 200.
- Chinmay M. 2005. Bio-Heat Transfer Modeling. *Infrared Imagine*, 15 – 31.
- Chypher R., Ho A., Konstantinidou S. & Messwina P., 1993. Architectural Requirements of Parallel Scientific Applications with Explicit Communications. *Computer Architecture*. **11**: 2 – 13.
- Claudia L. 2001. *Parallel and Distributed Computing: A Survey of Models, Paradigms, and Approaches*. John Wiley & Sons.
- Contronis J., 1997. Message-Passing Program Development by Ensemble. In : *PVM/MPI '97*, 242 – 249.
- Contronis J., 1998. Developing Message-Passing Applications on MPICH under Ensemble In : *PVM/MPI '98*, 145 – 152.
- Contronis J., 2002. Modular MPI Components and the Composition of Grid Applications. In: *Proceedings of the 10th Euro Micro Workshop on Parallel, Distributed & Network-Based Processing*. 154 – 161.
- Coelho P. J & Carvalho M. G. 1993. Application of a Domain Decomposition Technique to the Mathematical Modeling of Utility Boiler. *Journal of Numerical Methods in Eng.* **36**: 3401 – 3419.
- Conway M. E. 1963. Arithmetizing Declarations: An Applications to COBOL. *Communications of the ACM*: 6 (1): 24 – 27.
- Culler D.E. Sigh J.P. & Gupta A. 1999. *Parallel Computing Architecture: A Hard/Software Approach*. Morgan Kaufmann.
- Dahlquist G. 1978. On Accuracy and Unconditional Stability of Linear Multi-Step Methods for Second Order Differential Equations. *BIT* **18**: 133 – 136.
- Dai W. Z & Zhang J. 2002. *A Three Level Finite Difference Scheme for Solving The penne's Bio-heat Transfer in a tripple layered Skin Structure*. Technical Report No. 343, Department of Computer Science, University Science. University of Kentucky Lexington. KY 835.
- Dally W. J & Towles B., 2001. Route Packets, Not Wires: On-Chip Interconnection Networks. In Proceedings of the 38th Conference on Design Automation, 684 – 689.
- Dally W. & Seitz C. L. 1987. Deadlock-free Message Routing in Multiprocessor Interconnection Networks. *IEEE Trans. Comp.* **36**(5): 547-553.
- D'Ambra P., M. Danelutto, Daniela S., L. Marco, 2002. Advance Environments for Parallel and Distributed Applications: a view of current status. *Parallel Computing*. 28: 1637 – 1662.

- Deng Z. S. & Liu J. 2002. Analytic Study on Bio-heat Transfer Problem with Spatial heating on Skin Surface or inside Biological Bodies. *ASME, Journal of Biomechanics Engineering*. **124**: 638-649.
- Dou H. S & Phan-Thien. 1997. A Domain Decomposition Implementation of the Simple Method with PVM. *Computational Mechanics*. **20**: 347 – 358.
- Douglas J. & Rachford H. H. 1956. On the numerical solution of heat conduction problems in two or three space variables, *Trans. Amer. Math. Soc.* **82**: 421-439.
- Duato J. Yalamanchi S. & Ni L., 1997. *Interconnection Networks: An Engineering Approach*. Morgan Kaufmann.
- Durst F. M. Perie M., Chafer D. & Schreck E. 1993. Parallelization of Efficient Numerical Methods for Flows in Complex Geometries. *Flow Simulation with High Performance Computing*. **1**: 79 – 92.
- Eduardo J.H., Yero M.A, Amaral H. (2007). Speedup and Scalability Analysis of Master-Slave Application on Large Heterogeneous Clusters. *Journal of Parallel & Distributed Computing*. **67** (11): 1155 – 1167.
- El-Rewini H. & Lewis T. G. 1998. *Distributed and Parallel Computing*. New York: Manning Publication.
- Englander R. 2001. *Developing Java Beans*. 3rd Ed. O' Reilly & Associates.
- Evans D. J, & Hassan B. 2003. Numerical Solution of the Telegraph Equation by the AGE Method. *International Journal of Computer Mathematics*. **80** (10): 1289 – 1297
- Evans D. J & Sahimi M. S. 1988a. The Alternating Group Explicit Iterative Method for Parabolic Equations I: 2-Dimensional Problems, *Intern. Journal. Comp. Math*, **24**: 311-341.
- Evans D. J. & Sahimi M. S. 1988b. The Alternating Group Explicit Method (AGE) to Solve Parabolic and Hyperbolic Partial Differential Equations. *Ann. Rev. Num. Fluid Mech. & Heat Trans.* Ed. By Chang-Lin Tien Hemisphere Pub. Corp. **2**: 288 – 388.
- Evans D. J. & Sahimi M. S. 1989. The Numerical Solution of Burger's Equation by the AGE Method. *Intern. J. Computer Math*. **29**: 39 – 64.
- Evans D. J. & Yousif W. S. 1993. The Numerical Solution of 2-D Fourth-Order Partial Differential Equation by the AGE Fractional Method. *Intern. Journal Comp. Math*. **49**: 67 – 74.
- Fan C. Jiannong C. & Yudong S. 2003. High Abstractions for Message Passing Parallel Programming. *Parallel Computing*. **29**: 1589 – 1621.
- Fijany A. 1993. Time Parallel Algorithm for Solution of Linear Parabolic Partial Differential Equations. *In Proceedings of International Conference on Parallel Processing*. **111**: 51 – 55.

- Flynn M.J. 1972. Some Computer Organizations and their Effectiveness. *IEEE Trans. On Computers*. **21**(9): 948 - 960.
- Flynn M. J. & Rudd K. W. 1996. Parallel Architectures. *ACM Computing Surveys*: 28 (1), 67 – 70.
- Foster I., Geist J., Groop W. & E. Lust E. 1998. Wide-Area Implementations of the MPI. *Parallel Computing*. **24**: 1735 – 1749.
- Foster I. 1996. *Designing and Building Parallel Programs: Concepts and Tools for Parallel Software Engineering*. Inc: Addison-Wesley Publication Company.
- Fox G. C. Johnson M. Lyzenga G. Otto S. W, Solman J. K & Walker W. D. 1988. *Problem solving on concurrent processors*. New Jersey: Prentice Hall.
- Geist A., Beguelin A. & Dongarra J. 1994. *Parallel Virtual Machine (PVM)*. Cambridge, MIT Press.
- Geist G. A. & Sunderami V. M. 1992. Network Based Concurrent Computing on the PVM System. *Concurrency Practice and Experience*. **7**: 293 – 311.
- Gillet R. & Kaufmann R. 1997. Using the Memory Channel Network. *Micro – IEEE*: 17: 19 – 25.
- Gills 1958. The Computer Journal. *British Computer Society*. 1 (1): 2 – 10.
- Groop W. D. 2001. Learning from the Success of MPI. In Monien B. Prasanna V. K, Vajapeyam S., Editors, High Performance Computing. No, 2228 in *Lecture Notes in Computer Science*, 81 – 92.
- Groop W., Lusk E. & Skjellum A. 1999. *Using MPI, Portable and Parallel Programming with the Message Passing Interface, 2nd Ed*. Cambridge MA: MIT Press.
- Guang-Wei Y., Long-Jun S., Yu-Lin Z. 2001. Unconditional Stability of Parallel Alternating Difference Schemes for Semilinear parabolic Systems. *Applied Mathematics and Computation*. **117**: 267 – 283.
- Guangwei Y. & Xudeng H. 2007. Parallel Iterative Difference Schemes Based on Prediction Techniques for Sn Transport Method. *Applied Numerical Mathematics*. **57** : 746 – 752.
- Gupta M. Banerjee P. 1992a. Demonstration of Automatic Data Partitioning for Parallelizing Compilers on Multi-Computers. *IEEE Trans. Parallel Distributed System*. **3** (2): 179 – 193.
- Gursoy A., Kale L. V., 2004. Performance and Modularity Benefits of Message Driven Execution. *Journal of Parallel & Distributed Computing*. 64 (4): 461 – 480.
- Hadjidoukas P., Elofftherinus D., & Theodore S., 2002. Integrating MPI and NanoThreads Programming Model. In: *Proceedings of the 10th Euro Micro Workshop on Parallel, Distributed & Network-Based Processing*. 309 – 316.

- Hennessy J. & Patterson D. 2007. *Computer Architecture : A Quantitative Approach*, 4th Ed., Morgan Kaufmann, San Francisco.
- Holland J. 1959. A Universal Computer Capable of Executing an Arbitrary Number of Sub-programs Simultaneously. *Eastern Joint IRE-AIEE-ACM Computer Conference*: 108 – 113.
- Horsemann M., Kirtland M. 1997. *Distributed Computing Architecture*. Microsoft White paper. Available from <http://www.microsoft.com/com/wpaper/>.
- Hu C., Lu H., Cox A, Zwaenepoel W. 2000. OpenMP for Networks of SMPs. *Journal of Parallel & Distributed Computing*. 60 (12): 1512 – 1530.
- Jain M. K. 1984. *Numerical Solution of Differential Equations, Second Edition*. Wiley Eastern.
- Jaja J. 1992. *An Introduction to Parallel Algorithms*. Addison-Wesley.
- Jaris K. & Alan D. G. 2003. A High-Performance Communication Service for Parallel Computing on Distributed Systems. *Parallel Computing* : **29**: 851 – 878.
- Jennifer J. Z., Jun Z., Ning K, & Fuquian Y. 2002. A Two Level Finite Difference Scheme for 1-D Penne's Bio-Heat Equation. *Technical Report No. 354 – 02, Department of Computer Science, University of Kentucky, Lexington*, 1 – 11.
- Jennifer Z. Weizhong Dai & Tian C. N. 2007. Fourth-Order Compact Schemes of a heat Conduction problem with Neumann Boundary Conditions. *Num. Methods for PDE*. **4**(7): 1- 11.
- Jiang H. & Wong Y. S. 1991. A Parallel ADI Preconditioning Method. *Journal of Computational Applied Mathematics*: 36, 209 – 226.
- Johnson L. W. & Riess R. D. 1982. *Numerical Analysis, 2nd Edition*. Addison-Wesley Publication Company Reading.
- Johnson L. Y., Saad Y. & Schultz M. 1987. Alternating Direction Methods on Multiprocessors. *SIAM Journal Sci. Stat. Comp.* **8** (5): 668 – 700.
- Joshi A., Ramakrishnan N., Houstis E. N. 2000. *Multi Agent Recommender Systems in Networked Scientific Computing*, in : E. N Houstis, Rice J. R., Gallo E., Bramley R. (Eds.), *Enabling Technologies for Computational Science. Frameworks, Middleware and Environments*, Klunear Academic Publishers, 213 – 223.
- Kahan, S., John F. & Zhijun W. 1998. Crash Analysis on the Tera MTA. *IEEE Computational Science & Engineering*: 5 (4): 53 – 59.
- Karp A. H. 1987. Programming for Parallelism. *IEEE Computer*: 2(5): 43 – 56.
- Kellogg R. K. 1964. An Alternating Direction Method for Operator Equations. *Journal Soc. Indust. Applied Math (SIAM)*. **12**: 848 – 854.

- Kok F. N., Norhashidah Hj., Mohd A., 2008. Performance Analysis of Explicit Group Parallel Algorithm for Distributed Memory Multicomputer. *Parallel Computing*. 34 : 427 – 440.
- Krste A., Ras B., Bryan C., & Joseph J., 2006. The Landscape of Parallel Computing Research: A View from Berkeley. Technical Report No. UCB/EECS- Available at <http://www.eecs.berkeley.edu/Pubs/TechRpts/2006/EECS-2006-183.html>.
- Lauraut H. 2001. A Method for Automatic Placement of Communications in SPMD Parallelization. *Parallel Computing*. 27: 1655 – 1664.
- Lee W. J & Riess R. D. 1991. *Numerical Analysis 2nd Ed.* Addison-Wesley: Massachusetts.
- Lewis T.G. & El-Rewini H., 2005. Scheduling Parallel Program Tasks Onto Arbitrary Target Machines. *Journal of Parallel and Distributed Computing*. 9: 287 – 299.
- Li Z. & Abu-Sufah W., 1986. A Technique for Reducing Synchronization Overhead in Large. Int'l Conf. Parallel Processing, pp. 19 – 22.
- Liu J., Chen X. & Xu L. X. 1999. New Thermal Wave Aspects on Burn Evaluation of Skin Subjected to Instantaneous Heating. *IEEE Trans. Biomed. Engrg.*: 46, 420 – 428.
- Liu J. Xu L. X. 2001. Estimation of Blood Perfusion using Phase Shift Temperature Response to Sinusoidal Heating at Skin Surfaces. *IEEE Trans. Biomed. Engrg.*: 46, 1037 – 1043.
- Magee J., & Cheung S. 1991. *Parallel Algorithm Design for Workstation*. 21 (10): 345 – 365.
- Martin, R. P., Vahdat, A. M., Culler, D. E. & Anderson, T. E. 1997. Parallel Optimization Algorithms for Multilevel Mesh Partitioning. *Parallel Processing for Scientific Computing*: SIAM Philadelphia PA.
- Messina P. & Murli A. 1991. Problems and Methodologies in Mathematical Software Production. *Concurrency – Practice and Experience*: 3(6), 499 – 505.
- McDonough J.M. 1994. *Lectures on Computational Numerical Analysis of Partial Differential Equations*. Department of Mechanical Engineering & Mathematics. University of Kentucky.
- McMahon T. & Skjellum A. 1996. eMPI/eMPICH: Embedding MPI, in: *Proceeding of the 2nd MPI Developers Conference*. University of Notre Dame, South Bend, IN: 57-65.
- Mitchell A. R. & Fairweather G. 1964. Improved forms of the Alternating direction methods of Douglas, Peaceman and Rachford for solving parabolic and elliptic equations. *Numer. Maths*. 6: 285 – 292.
- Mitchell A. R. & Griffiths D. F. 1980. *The Finite Difference Method in Partial Differential Equations*. John Wiley & Sons, Chichester.

- Mohanty R. K. 2009. An Unconditionally Stable Difference Schemes for the Solution of Multi-dimensional Telegraph Equations. *Int. Journal Comput. Mathematics*. **86**(12): 2061 – 2071.
- Mohanty R. K. 2004. An Unconditionally Stable Difference Scheme for the One-Space Dimensional Linear Hyperbolic Equation. *Applied Mathematics Letters*. **17**: 101 – 105.
- Mohanty R. K., Jain M. K. & George K. (1995). High accuracy difference schemes for a class of singular three space dimension hyperbolic equations. *Int. J. Computer Math*. **56**: 185 – 198.
- Neil M., Elspeth M. Joel M. Tim H. Simon B. Mario A. 1994. *Writing Message-Passing Parallel Programs with MPI*. Edinburgh Parallel Computing Centre.
- Noye J. 1996. *Finite Difference Methods for Partial Differential Equations. Numerical Solutions of Partial Differential Equations*. North-Hilland Publishing Company.
- Pacheco P., 1997. *Parallel Programming with MPI*. Morgan Kaufmann.
- Patterson D. 2004. Latency Lags Bandwidth. *Communications of the ACM*. 47 : (10) 71 – 75.
- Peaceman D. W & Rachford H. H. 1955. The Numerical Solution of Parabolic and Elliptic Differential Equations. *Journal of Soc. Indust. Applied Math*. **8** (1): 28 – 41.
- Peizong L. Kedem Z. 2002. Automatic Data and Computation Decomposition on Distributed Memory Parallel Computers. *ACM Transactions on Programming Languages and Systems*. **24** (1): 1 – 50.
- Pennes H. H. 1948. Analysis of Tissues and Arterial Blood Temperature in the Resting Forearm. *Journal of Applied Physiology*. **1**: 93 -122.
- Petitot A., Susan B., Dongarra J., Brett E., Graham F., Kenneth R., & Sathis V., 2001. Numerical Libraries and the Grids. *International Journal of High Performance Applications and Supercomputing*. 15 : 359 – 374.
- Prasad D. 2005. *An Introduction to Numerical Analysis: Second Edition*. Alpha Science Int. Ltd, U.K.
- Quinn M. J, 2001. *Parallel Programming in C*. New York: MC-Graw-Hill.
- Rajamony R. & Cox A. L. 1997. Performance Debugging Shared Memory Parallel Programs Using Run-Time Dependence Analysis. *Performance Review*. **25** (1): 75 – 87.
- Rantakokko J. 2000. Partitioning Strategies for Structuring Multi Blocks Grids. *Parallel Computing*. **26** : 166 – 1680.

- Rathish B. & Kumar V., 2001. A Parallel MIMD Cell Partitioned ADI Solver for Parabolic Partial Differential Equations on VPP 700. *Parallel Computing*. **42**: 324 – 340.
- Rocco A., DiMartino B., Rak M., Venticinque S., & Villano U., 2005. Performance Prediction Through Simulation of a Hybrid Application: *Parallel Computing*. **31**: 1033 – 1133.
- Rohalla T. & Paiviz D. 2007. 2-Dimensional Parallel Stable Group Explicit Finite Difference method for Solution of Diffusion Equation. *Applied Mathematics & Computation*. **188**: 1184 – 1192.
- Saulev V. K. 1964. *Integration of Equations of Parabolic Type by the Method of Nets*. Pergamon Press Oxford.
- Sahimi M. S. Ahmad A. & Bakar A. A. 1993. The Iterative Alternating Decomposition Explicit (IADE) Method to Solve the Heat Conductive Equation. *Intern. Journal Comput. Math*. **47**: 219 – 225.
- Sahimi M.S., Sundararajan, E., Subramaniam, M. and Hamid, N.A.A. (2001). The D'Yakonov fully explicit variant of the iterative decomposition method, *International Journal of Computers and Mathematics with Applications*. **42**: 1485 – 1496.
- Sahimi M.S., Alias N., (2001). The AGEB Algorithm for Solving the Heat Equation in Three-Space Dimension and It's Parallelization using PVM. *LNCS*. 918 – 927.
- Sahimi M.S., Mansor N., Alias N., (2006). A High Accuracy Variant of the Iterative Alternating Decomposition Explicit Method for Solving the Heat Equation. *Inter. Journal of Simulation and Process Modeling*. **2** (12): 45 – 49.
- Sahimi M. S., Norma A., Sundararajan E. 2002. The AGEB Algorithm for Solving the Heat Equation in Three Space Dimension & Its Parallelization using PVM. *LNCS*. 214 – 223.
- Sahni V. T. 1996. Performance Metrics: Keeping the Focus in Routine. *IEEE Parallel and Distributed Technology*. Spring: 43 – 56.
- Saif T. & Parashar M., 2004. Understanding the Behavior & Performance of Non-Blocking Communications in MPI. In: Proceedings of Euro-Par: Parallel Processing, LNCS, 314: 173 – 182.
- Skillicorn D. B. & Talia D. 1998. Models and Languages for Parallel Computation. *ACM Computing Surveys*. 30 (2): 123 – 169.
- Smith G. D. 1985. *Numerical Solution of Partial Differential Equations: Finite Difference Methods 3rd Ed*. Oxford University Press, New York.
- Snir M., Otto S. & Steve H., 1998. *MPI the Complete Reference, 2nd Ed*. Cambridge. MA: MIT Press.

- Soterion V., Wang H. & Peh L. S., 2006. A Statistical Traffic Model for On-Chip Interconnection Networks. In Proceedings of 14th IEEE Int'l Symposium on Modeling, Analysis and Simulation of Computer & Telecommunication Systems (MASCOTS'06), 104 – 116.
- Straz P. & Uhlm J., 2004. Local scheduling Out-Performs Gang Scheduling on a Beowulf Cluster. *Technical Report TR-CS-04-01*.
- Succi S., Bernaschi M. & Castiglione F. 1998. A Parallel Simulator of the Immune System Dynamics. High Performance Computing Europe, Amsterdam. *Springer Notes in Comput. Science*. 1401: 163 – 172.
- Sun X. H & Gustafson J. 1991. Toward a Better Parallel Performance Metric. *Parallel Computing*. **17**: 456 – 483.
- Ted G. & El-Rewini. 1992. *Introduction to Parallel Computing*. Book Description: Prentice Hall.
- Tian M. & Yang D. 2007. Parallel Finite-Difference Schemes for Heat Equation based upon Overlapping Domain Decomposition. *Applied Maths and Computation*. **186**: 1276 – 1292.
- USA NSF Middleware Initiative <http://www.nsf-middleware.org>.
- Womble D. 1990. A Time-stepping Algorithm for Parallel Computers. *SIAM Journal of Scientific and Statistical Computing*. **11** (5): 824 – 837.
- Wong F. C, Arpaci-Dusseau A. C. & Culler D. E., 1999. *Building MPI for Multi-Programming Systems using Implicit Information*. In: Proceedings of the 6th European PVM/MPI User's Group Meeting. 215 – 222.
- Xuan L. Anwar M. Ying L. Jitender D & Steve G. 2010. Real-Time Scheduling of Divisible Loads in Cluster Computing Environments. *J. Parallel Distr. Comput.* **70** (3): 296 – 308.
- Yanenko N. N. 1971. *The Method of Fractional Steps*. Berlin: Springer-Verlag.
- Young D. M. 1967. *Iterative Solution of Large Linear Systems*. Academic Press, London.
- Zhu J., 1992. Efficient Processor Allocation Strategies for Mesh-Connected Parallel Computers. *Journal of Parallel & Distributed Computing*. 16 (4): 328 – 337.