

中国地质大学（武汉）计算机学院院长康立山教授专著论文一览

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[关键词] 中国地质大学（武汉），计算机，院长，教授，专著，论文

专著

1. 解数学物理问题的异步并行算法，科学出版社，（1985）。
2. 区域分裂法与并行算法，武汉大学出版社，（1987）。
3. 数值解高维偏微分方程的分裂法，上海科技出版社，（1990）。
4. 非数值并行算法（第一册）模拟退火算法，科学出版社，（1994）。
5. 格子气自动机，清华大学出版社，（1994）。
6. 非数值并行算法（第二册）遗传算法，科学出版社，（1995）。
7. 演化计算，清华大学出版社，（1998）

论文

1. 康卓，李艳，刘溥，康立山，陈毓屏，求解函数优化问题的两种异步并行算法，武汉大学学报（理学版），Vol. 48, No. 1, 033—036.
2. Li Yan, Lishan Kang, Yuping Chen, Pu Liu, Hongqing Cao, Zhengjun Pan, Some massively parallel algorithms from nature, Wuhan University Journal of Natural Sciences, Vol. 7, No. 1, 37—47.
Yan Li, Lishan KANG, Hugo de GARIS, Zhuo KANG, Pu LIU, A Robust Algorithm for Solving Nonlinear Programming Problems, International Journal of Computer Mathematics, Vol. 79, No. 5, 2002, 523—536.
3. Zhou Kang, Yan Li, Hugo de Garis, Li—Shan Kang, A Multi—Level And Multi—Scale Evolutionary Modeling System For Financial Data, W. B. Langdon, E. Cantu—Paz et al eds., Proceedings of the Genetic and Evolutionary Computation Conference, July 9—13, 2002, New York, Morgan Kaufmann Publishers, 2002, 1113—1118.
4. 曾三友，丁立新，康立山，一种具有噪声估计能力的图像恢复正则化方法，武汉大学学报（理学版），Vol. 48, No. 3, 2002, 311—315.
5. 曾三友，康立山，董文永，带微调参量的正则化方法及其在降质图像恢复问题中的应用，计算机科学，Vol. 29, No. 6, 2002, 125—126.
6. Xiufen Zou, Lishan Kang, Yuanxiang Li, A dynamical evolutionary algorithm for constrained optimization problems, Proceedings of the 2002 Congress on Evolutionary Computation, May 12—17, 2002, Honolulu, Hawaii, IEEE Service Center, 2002, 890—896.
7. Yuanxiang Li, Lishan Kang, Analysis of optimal trajectory on evolutionary algorithm

and some control strategies, Proceedings of the 2002 Congress on Evolutionary Computation, May 12—17, 2002, Honolulu, Hawaii, IEEE Service Center, 2002, 558—563.

8. Zhuo Kang, Yan Li, Lishan Kang, Hugo de Garis, A Multi—Level and Multi—Scale Evolutionary Modeling System for Scientific Data, Russ Eberhart Ed. Proceedings of the 2002 International Joint Conference on Neural Networks, May 12—17, 2002, Honolulu, Hawaii, IEEE Service Center, 2002, 737—782.

9. Zou Xiufen, Kang Lishan, Li Yuanxiang, Chen Yuping, Finding Global Minima with a New Dynamical Evolutionary Algorithm, Wuhan University Journal of Natural Sciences, Vol. 7, No. 2, (2002), 157—160.

10. Kang Lishan, Li Yan, Chen Yuping, A Tentative Research on Complexity of Automatic Programming, Wuhan University Journal of Natural Sciences, Vol. 6, No. 1—2 (2001), 59—62.

11. Liang Yiwen, Li Huan, Kang lishan, et al, A multi—agent immunology model for security computer, Vol. 6, No. 1—2 (2001), 486—490.

12. 曹宏庆, 康立山, 陈毓屏, 动态系统的常微分方程组建模——基于不同搜索技术的实验研究, 计算机研究与发展, Vol. 38, NO. 5, 2001, 746—753.

13. Hongqing Cao, Jingxian Yu, Lishan Kang, Hanxi Yang, Xinping Ai, Modeling and prediction for discharge lifetime of battery systems using hybrid evolutionary algorithms, Computers and Chemistry 25 (2001) 251—259.

14. 曾三友, 康立山, 丁立新, 一种求解约束优化问题的新算法, 计算机科学, Vol. 26, NO. 7, 2001, 95—97.

15. Lishan Kang, Yuanxiang Li, Zhengjun Pan, Jun He and David J. Evans, Massively parallel algorithms from physics and biology, International Journal of Computer Mathematics, Vol. 77 (2001), 201—250.

16. 曾三友, 康立山, 丁立新, 基于偏序关系的演化算法, 计算机工程, Vol. 27, No. 8, 2001, 15—16.

17. Kang Zhuo, Liu Pu, Kang Lishan, Parallel evolutionary modeling for nonlinear ordinary differential equation, Wuhan University Journal of Natural Sciences, Vol. 6, No. 3 (2001), 659—664.

18. Kang Lishan, Yan Li, Zhuo Kang, Pu Liu, Yuping Chen, Hugo de Garis, Asynchronous parallel Evolutionary algorithms for Optimization, DCABES 2001 Proceedings, Hubei Science and Technology Press, Wuhan, China, 2001, 1—4.

19. 康立山, 刘溥, 陈毓屏, 函数优化异步并行演化算法, 计算机研究与发展, Vol. 38, No. 11, 2001, 1381—1386.

20. Jun He, Xin Yao, Lishan Kang Drift Conditions for Time Complexity of Evolutionary Algorithms and Application in Fully Deceptive Problem, 软件学报, Vol. 12, No. 12, (2001), 1775—1783.

21. Ding Lixin, Kang Lishan, Convergence rate for a class of evolutionary algorithms with elitist strategy, 数学物理学报, 21B (4), 2001, 531—540

22. Ding Lixin, Kang Lishan, Analysis of implicit parallelism in evolutionary algorithms: a stochastic version, in B. verma, et al. Eds, Proceedings of the Fourth International Conference On Computational Intelligence and Multimedia Applications (ICCIMA 2001), Oct. 30—Nov. 1, 2001, Yokusika city, Japan, published by the IEEE

- Computer Society, Los Alamitos, California, 2001, 172—179 (ISBN 0—7695—1312—3)
23. Yan Li, Zhuo Kang, Lishan Kang, Hongqing Cao, Pu Liu, Automatic discovery of scientific laws in observed data by asynchronous parallel evolutionary algorithm, in B. verma, et al. Eds, Proceedings of the Fourth International Conference On Computational Intelligence and Multimedia Applications (ICCIMA 2001), Oct. 30—Nov. 1, 2001, Yokusika city, Japan, published by the IEEE Computer Society, Los Alamitos, California, 2001, 180—184.
 24. Hongqing Cao, Lishan Kang Tao Guo, Yuping Chen and Hugo de Garis, A Two—Level hybrid evolutionary algorithm for modeling one—dimensional dynamic systems by higher—order ODE models, IEEE Transations on Systems, Man and Cybernetics— Partb B: Cybernetics, Vol. 30, No. 2, APRIL. 2000, 351—357.
 25. 黄竞伟, 康立山, 陈毓屏, 一个新的无向图画图算法, 软件学报, Vo. 11, No. 1, 2000, 138—142.
 26. 曹宏庆, 康立山, 陈毓屏, 高阶常微分方程的动态演化建模, 武汉大学学报 (自然科学版), Vol. 46, No. 1, 2000, 19—23.
 27. 曹宏庆, 康立山, 陈毓屏, 高阶常微分方程的演化建模用于时间序列的分析, 小型微型计算机系统, Vol. 21, No. 4, 2000, 344—349.
 28. 应时, 康立山, 陈毓屏, 吴霞, 基于 Java 代码组件重用技术 Javebeans, 微电子学与计算机, Vol. 17, No. 201, 2000, 1—5.
 29. Lishan Kang, Zhuo Kang, Yan Li, Pu Liu, Yuping Chen, Asynchronous Parallelization of Guo's algorithms for function optimization, Proceedings of the Congress on Evolutionary Computation, July 16—19, 2000, San Diego, IEEE Service Center, 2000, 783—789.
 30. Lishan Kang, Yan Li, Zhuo Kang, Pu Liu, Yuping Chen, Asynchnous parallel evolutionary Algorithm for function optimization, 16th World Computer Congress 2000, Proceedings of Comference on Software: Theory and Practice, 电子工业出版社, 2000, 737—742.
 31. 黄竞伟, 康立山, 陈毓屏, 基于遗传算法的二叉树画树算法, 软件学报, Vol. 11, No. 8, 2000, 1112—1117.
 32. Hongqing Cao, Lishan Kang, Yuping Chen, and Jingxian Yu. Evolutionary Modeling of Systems of Ordinary Differential Equations with Genetic Programming. Genetic Programming and Evolvable Machines. Vol. 1, No. 4, pp. 309—337, 2000.
 33. 曾三友, 康立山, 丁立新, 一种求解混合整数非线性规划问题的演化算法—搜索空间自动收缩法, 武汉大学学报, Vol. 46, No. 5, 2000, 554—558.。
 34. 曹宏庆, 康立山, 陈毓屏, 郭涛, 常微分方程组的演化建模新算法, 武汉大学学报, Vol. 46, No. 5, 2000, 549—553.
 35. Kang Lishan, Liu Pu, Kang Zhuo, Li Yan, Chen Yuping, Asynchronous parallel evolutionary algorithms for constrained optimizations, Wuhan University Journal of Natural Sciences, Vol. 5, No. 4, 2000, 406—412.
 36. 康立山, 刘溥, 陈毓屏, 高阶非线性微分方程的并行演化建模算法, 微电子学与计算机, Vol. 7, No. 204, 2000, 23—28
 37. 陈毓屏, 康立山, 李艳, 自动程序设计的复杂性初探, 计算机科学, No. 27, 11 月增刊, 2000, 24—26.
 38. 覃俊, 康立山, 陈毓屏, 吴仁杰, 电子商务安全中的时间认证体系研究, 计算机工程与应用, Vil. 36, No. 6, 2000, 139—141.

39. Ding Lixin and Kang Lishan, Convergence properties of evolutionary algorithms under elitist strategy, *Neural, Parallel & Scientific Computations*, Vol. 8, No. 2, 2000, 105—114.
40. Lin Hansheng, Kang Lishan, Balance between Exploration and Exploitation in Genetic Search, *Wuhan University Journal of Natural Sciences*, Vol. 4, No. 1, 1999, 28—32.
41. 胡欣, 汪红星, 康立山, 用启发式遗传算法求解投资项目选择问题, *计算机应用研究*, Vol. 16, No. 4, 1999, 14—16.
42. 康立山, 何巍, 陈毓屏, 用函数型可编程器件实现演化硬件, *计算机学报*, Vol. 22, No. 4, 1999, 781—784.
43. 喻敬贤, 曹宏庆, 陈永言, 康立山, 微分方程演化建模用于色谱保留时间的研究, *分析化学*, Vol. 27, No. 5, 1999, 528—531.
44. Hongqing Cao, Jingxian Yu, Lishan Kang, Yuping Chen, Yongyan Chen, The kinetic evolutionary modeling of complex systems of chemical reactions, *Computers & Chemistry*, 23 (1999) 143—151.
45. Lishan Kang, Hongqing Cao and Yuping Chen, The dynamic evolutionary modeling of higher—order ordinary differential equations for time series real—time prediction, *Proceedings of the Congress on Evolutionary Computation*, July 6—9, 1999, Washington D. C., IEEE Service Center, 1999, 1224—1229.
46. Hongqing Cao, Lishan Kang and Yuping Chen, Evolutionary modeling of ordinary differential equations for dynamic system, *Proceedings of the Genetic and Evolutionary Computation Conference*, July 13—17, 1999, Orlando, Morgan Kaufmann Publishers, 1999, 959—965.
47. 康立山, 陈毓屏, 曹宏庆, 刘溥, 演化计算与复杂性科学, 成思危主编: 复杂性科学探索, 民主与建设出版社, 1999, 200—211.
48. 康立山, 曹宏庆, 陈毓屏, 常微分方程组的演化建模, *计算机学报*, Vol. 22, No. 8, 1999.
49. Qi Yuesheng, Wang Baozhong, Kang Lishan, Genetic programming with simple loops, *Computer Journal of Science and Technology*, Vol. 14, No. 4, 1999, 429—433.
50. 曹宏庆, 康立山, 陈毓屏, 动态系统的演化建模, *计算机研究与发展*, Vol. 36, No. 8, 1999, 923—931.
51. Jingxian Yu, Hongqing Cao, Yongyan Chen and Lishan Kang, A new approach to estimation of the electrocrystallization parameters, *Journal of Electroanalytical Chemistry*, vol. 474, No. 1, 69—73, 1999.
52. 何军, 黄厚宽, 康立山, 遗传算法求解完全欺骗性问题的平均计算时间, *计算机学报*, Vol. 22, No. 9, 1999, 999—1003.
53. Tao Guo, Lishan Kang, A new evolutionary algorithm for function optimization, *Wuhan University Journal of Natural Sciences*, Vol. 4, No. 4, 1999.
54. 陈毓屏, 康立山, 曹宏庆, 李艳, 演化计算与 Data Mining 自动化, *计算机工程与科学*, Vol. 21, No. A1, 1999, 122—126.
55. 胡欣, 汪红星, 康立山, 求解多维 0—1 背包问题的混合遗传算法, *计算机工程与应用*, Vol. 35, 1999, 31—33.
56. 郭涛, 康立山, 李艳, 一种求解不等式约束下函数优化问题的新算法, *武汉大学学报*, Vol. 45, No. 5B, 1999, 771—775.

57. 董红斌, 梁意文, 康立山, 陈毓屏, 利用启发式信息优化多连接查询的遗传算法, 武汉大学学报, Vol. 45, No. 5B, 1999, 743—746.
58. Jun He and Lishan Kang, The Convergence Rate of Evolutionary Algorithms, Theoretical Computer Science, Vol. 229, Issue 1, 6 November 1999, 23—39.
59. 刘溥, 康立山, 陈毓屏, PJVM 系统, 计算机工程, Vol. 25, No. 11, 1999, 3—4+43
60. Kang Lishan, He Wei, An improved GA for combinational logic expressions, Wuhan University Journal of Natural Sciences, Vol. 3 No. 1, 1998, 17—20.
61. 陈毓屏, 康立山, 潘正君, 何巍, 一个新的研究方向—演化硬件, 航空计算技术, 1998 年第一期 1—8.
62. Ding Lixin, Kang Lishan, Chen Yuping, Using evolutionary computation to solve problems in nonparametric regression, Wuhan University Journal of Natural Sciences, Vol. 3 No. 1, 1998, 27—31.
63. Qi Yuesheng, Wang Baozhong, Kang Lishan, Genetic programming with loops, Proc of Third Int. Symp. on Artificial Life and Robotics, Ota Japan, 19—21, January, 1998, 279—282.
64. Wang Baozhong, Kang Lishan, Hewei, An application of a new model of cam—brain, Proc of Third Int. Symp. on Artificial Life and robotics, Ota Japan, 19—21, January, 1998, 427—430.
65. Hewei, Kang Lishan, Wang Baozhong, A new structure of EHW, Proc of Third Int. Symp. on Artificial Life and robotics, Ota Japan, 19—21, January, 1998, 200—203.
66. 曹宏庆, 潘正君, 康立山, 陈毓屏, 改进的演化自适应建模算法, 软件学报, 1998 年 6 月 (增刊), 52—56.
67. 曹宏庆, 康立山, 喻敬贤, 锂离子电池放电寿命的演化自适应建模, 计算机与应用化学, Vol. 15, No. 1 (1998), 19—22.
68. Hongqing Cao, Lishan Kang, Zbigniew Michalewicz and Yuping Chen, A hybrid evolutionary modeling algorithm for system of ordinary differential equations, Neural, Parallel & Scientific Computations, Vol. 6, No. 2 (1998), 171—188.
69. Wang Baozhong, Kang Lishan, He Wei, Investigation of CAM—Brain by Using EQUnn Model, Wuhan University Journal of Natural Sciences, Vol. 3 No. 2. 1998, 139—142.
- He Wei, Kang Lishan, Wang Bozheng, A new structure of EHW, Wuhan University Journal of Natural Sciences, Vol. 3 No. 2. 1998, 139—142.
70. 熊盛武, 李元香, 康立山, 陈炬桦, 阮剑, 热动力格子 Boltzmann 模型, 计算物理, Vol. 15, No. 4 (1998), 439—444.
71. 陈子仪, 康立山, 徐静雯, 解大规模调度问题的一种新的搜索算法, 计算机应用研究, Vol. 15, No. 1 (1998) 33—34.
72. 黄竞伟, 康立山, 基于遗传算法的无向图画图算法, 数学杂志, Vol. 1, No. 18 (增刊), 1998, 68—72.
73. Hongqing Cao, Lishan Kang, Zbigniew Michalewicz and Yuping Chan, A two—level evolutionary algorithm for modeling system of ordinary differential equations, David E., Iba, Hitoshi, and Riolo, Rick L. (editors), Genetic Programming 1998: Proceedings of the Third Annual Conference, July 22—25, 1998, University of Wisconsin, Madison, Morgan Kaufmann Publishers, 1998, 17—22.
74. 丁立新, 康立山, 陈毓屏, 李元香, 演化计算研究进展, 武汉大学学报 (自然科学版), Vol. 44, No. 5 (1998), 561—568.

75. 陈子仪, 康立山, 胡欣, 遗传算法在方程求根中的应用, 武汉大学学报(自然科学版), Vol. 44, No. 5 (1998), 577—580.
76. 曹宏庆, 康立山, 陈毓屏, 常微分方程组的混合演化建模算法, 第七届全国青年计算机工作者会议论文集(上海, 1998, 10, 26), 上海科学技术文献出版社, 650—655.
77. 汪红星, 胡欣, 康立山, 一种新结构的遗传算法 LGA 及其实现, 计算机应用研究, Vol. 15, No. 6 (1998) 252—254.
78. Zhengjun Pan, Lishan Kang, An adaptive evolutionary algorithms for numerical optimization, in Simulated Evolution and Learning, X. Yao and J—K. Kim, T. Furuhashi (Eds), Lecture Notes in Artificial Intelligence 1285, Springer, (1997) 27—34.
79. Qiming He, D. J. Evans and Lishan Kang, Schwarz domain decomposition method for multidimensional and nonlinear parabolic equations: multidimensional subdomains with overlaps, Intern. J. Computer Math., (1997) Vol. 63, PP. 101—119.
80. 熊亚, 潘正君, 王宏, 吴鼎泉, 康立山, 屈松生, 线粒体体外代谢热动力学模型及其优化研究, 物理化学学报, Vol. 13, No. 6 (1997), 503—509.
81. 熊亚, 谭智群, 刘义, 潘正君, 吴鼎泉, 康立山, 屈松生, 线粒体和亚线粒体体外代谢及漆酶影响的微量热研究, 高等学校化学学报, Vol. 18, No. 5 (1997), 753—756.
82. 康立山, 王保中, 丁立新, 人工脑的三维模型及应用, 武汉大学学报(自然科学版), Vol. 43, No. 3 (1997), 307—312.
83. 康立山, 陈毓屏, 潘正君, 李元香, 自动程序设计探索: 论遗传程序设计, 软件学报, 1997年6月增刊, 182—188.
84. 陈炬桦, 熊盛武, 康立山, 李元香, 流体动力学问题的计算机仿真, 计算机仿真, Vol. 14, No. 3 (1997), 40—44.
127. Rao Chuanxia, Kang Lishan, Symmetric domain decomposition and symmetric space decomposition, Proceedings of International Conference on Sci. Computation, world Scientific, 1992, 211—215.
128. 康立山, 陈毓屏, 极度并行算法发展动态, 自然杂志, Vol. 15, No. 12, (1992), 899—905.
- lang Lishan, Chen Yuping, 29. Kang Lishan, Chen Yuping, An asynchronous parallel simulated annealing algorithm for TSP, Progress in Natural Science, Vol. 1, No. 2, (1991), 165—172.
130. 邹秀芬, 康立山, 流体动力学的格子气方法及并行实现, 武汉大学学报(自然科学版), 并行计算专刊, 1991, 16—21.
131. 康立山, 陈毓屏, 并行算法设计中的区域分裂策略, 武汉大学学报(自然科学版), 并行计算专刊, 1991, 104—114.
132. 饶传霞, 康立山, 对称空间分裂: SDD 方法的变分形式, 武汉大学学报(自然科学版), 并行计算专刊, 1991, 122—128.
133. Kang Lishan, Evans, D., Strategies of domain decomposition for the design of parallel algorithms, Inter. J. Computer Math., Vol. 32, (1990), 123—136.
134. Kang Lishan, Chen Yuping, Experiments of some new parallel algorithms for TSP, Non—Numerical Parallel Algorithms, (1990), 1—21.
135. Chen Yuping, Kang Lishan, An asynchronous parallel simulated annealing algorithm for TSP, Non—Numerical Parallel Algorithms, (1990), 22—41.
136. 武云海, 康立山, 求解一类非线性偏微分方程的并行异步算法, 应用数学与计算数学, Vol. 4, No. 2 (1990), 1—4.

137. Kang Lishan, Garry Rodrigue, Domain decomposition methods for solving PDE's on multiprocessors, *Acta Math. Sci.*, Vol. 10, No. 4, (1990), 459—470.
138. 康立山, 陈毓屏, 解货郎担问题的异步并行模拟退火算法, *自然科学进展*, Vol. 1, No. 3, (1991), 246—252.
139. Kang Lishan, Evans, D. J., Strategies of domain decomposition for designing parallel algorithms, *Proceedings of Parallel Computing 89*, (1989), 127—138.
140. Evans, D. J., Kang Lishan, New domain decomposition strategies for elliptic partial differential equations, in *Domain Decomp. Methods*, Tony F. Chan, et al., (Eds), SIAM, Philadelphia, [1989], (1989).
141. Kang Lishan, Domain decomposition and parallel algorithms, in *Domain Decomp. Methods*, Tony F. Chan, et al., (Eds), SIAM, Philadelphia, [1989], (1989).
142. Liu Yuhui, Kang Lishan, Evans, D. J., The convergence rate of the Schwarz alternating procedure (VII) —For the sum of two disks, *Inter. J. Computer Math.*, Vol. 27, (1989), 55—65.
143. 康立山, 陈毓屏, 并行算法与计算力学, 钱伟长, 郭友中主编, 科学出版社, (1989), 560—566.
144. Garry Rodrigue, Kang Lishan, Liu Yuhui, Convergence and comparison analysis of some numerical Schwarz methods, *Numer. Math.*, Vol. 56, (1989), 123—138.
145. 邵建平, 康立山, 求代数方程组的异步并行混合算法, *应用数学与计算数学*, Vol. 3, No. 2 (1989), 1—5.
146. Evans, D. J., Shao Jianping, Kang Lishan, The convergence factor of the parallel Schwarz overrelaxation method for linear systems, *Parallel Computing*, Vol. 6, (1988), 313—324.
147. Shao Jianping, Kang Lishan, Chen Yuping, Evans, D. J., The convergence rate of the Schwarz alternating procedure (VI) —For unsymmetric problems, *Inter. J. Computer Math.*, Vol. 25, (1988), 139—152.
148. Kang Lishan, Domain decomposition method (DDM) and parallel algorithms (PA), *J. Wuhan University (Special Issue on Comp. Software Eng.)*, (1988), 107—125.
149. Kang Lishan, Evans, D. J., The convergence rate of the Schwarz alternating procedure (V) —For more than two subdomains, *Inter. J. Computer Math.*, Vol. 23, (1988), 295—313.
150. 康立山, 陈毓屏, 并行算法简介(上), *数值计算与计算机应用*, Vol. 9, No. 3, (1988), 169—177.
151. 康立山, 陈毓屏, 并行算法简介(下), *数值计算与计算机应用*, Vol. 9, No. 4, (1988), 245—252.
152. 康立山, 陈毓屏, 并行计算发展及异步并行算法, *并行算法学术会议论文集*, (1988), 1—14.
153. 邵建平, 康立山, 求解透射问题的对称区域分裂法, *并行算法学术会议论文集*, (1988), 235—241.
154. 肖佑恩, 康立山, Schwarz 算法的收敛速度, *应用数学与计算数学*, Vol. 2, (1988), 59—67.
155. Kang Lishan, Evans, D. J., The convergence rate of the Schwarz alternating procedure (III) —For Neumann problems, *International Journal of Computer Mathematics*, Vol. 21, (1987), 85—108.

156. Evans D. J., Kang Lishan, Chen Yuping, Shao Jianping, The convergence rate of the Schwarz alternating procedure (VI) — with pseudo-boundary relation factor, *International Journal of Computer Mathematics*, Vol. 21, (1987), 185—203.
157. Kang Lishan, *Parallel algorithms and domain decomposition*, *Lecture Notes in Mathematics*, 1297, Springer-Verlag, (1987), 61—75.
158. Shao Jianping, Kang Lishan, An asynchronous parallel mixed algorithm for linear and nonlinear equations, *Parallel Computing*, Vol. 5, (1987), 313—321.
159. Wu Zhijian, Lin Guangming, G. Rodrigue and Kang Lishan, Domain boundary conditions — For more than two subdomains, in *Parallel Algorithms and Domain Decomposition*, Kang (Ed.), (1987), 117—125.
160. Kang Lishan, Sun Lelin, Chen Yuping, Asynchronous parallel algorithm for general linear problems, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 84—89.
161. Shao Jianping, Kang Lishan, Chen Yuping, Evans, D. J., The convergence factor of numerical Schwarz algorithm for linear system, in *Parallel Algorithms and Domain Decomposition*, Kang (Ed.), (1987), 205—222.
162. Lin Guangming, Wu Zhijian, Kang Lishan, Rodrigue, G., Domain decomposition method (DDM) with pseudo-boundary conditions — For two-dimensional problems, in *Parallel Algorithms and Domain Decomposition*, Kang (Ed.), (1987), 126—133.
163. Lin Guangming, Liu Yuhui, Kang Lishan, Acceleration of the domain decomposition method, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 194—201.
164. Chen Lujuan, Kang Lishan, The convergence factor of SAP for multi-dimensional problems, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 141—148.
165. Shao Jianping, Kang Lishan, Symmetric domain decomposition for linear operator equations, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 177—185.
166. Lin Guangming, Wu Zhijian, Rodrigue, G., Kang Lishan, Domain decomposition method (DDM) with mixed pseudo-boundary conditions — For one dimensional problems, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 93—116.
167. Shao Jianping, Wu Zhijian, Rao Chuanxia, Kang Lishan and Chen Yuping, Numerical symmetric domain decomposition for solving linear systems, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 186—193.
168. Liu Yuhui, Lin Guangming, Kang Lishan and Rodrigue, G., Discrete domain decomposition method (DDD) with mixed pseudo-boundary conditions — For discrete two-dimensional problems, in *Parallel Algorithms And Domain Decomposition*, Kang (Ed.), (1987), 134—140.
169. 邵建平, 康立山, 林才瀚, 解发展方程的弱逼近方法, *数学杂志*, Vol. 7, No. 4, (1987), 345—349.
170. Evans D. J., Kang Lishan, Shao Jianping, Chen Yuping, The convergence rate of the Schwarz alternating procedure (I) — For one-dimensional problems, *International Journal of Computer Mathematics*, Vol. 20, (1986), 325—339.
171. Evans. D. J., Shao Jianping, Kang Lishan and Chen Yuping, The convergence rate

- of the Schwarz alternating procedure (II) — For two—dimensional problems, International Journal of Computer Mathematics, Vol. 20 (1986), 157—170.
172. 康立山, 肖佑恩, 病态线性方程组及其解法, 数学杂志, Vol. 6, No. 2, (1986), 193—200.
173. 蔡志强, 王能超, 康立山, 解椭圆型边值问题的 MGE 方法, 计算数学, No. 1, (1986), 82—89.
174. Kang Lishan, Chen Yuping, Sun Lelin and Quan Huiyun, The asynchronous parallel algorithms S—COR for solving P. D. E. 's on multiprocessors, International Journal of Computer Mathematics, Vol. 1, (1985), 163—172.
175. 陈毓屏, 康立山, 解非线性多边值问题的异步并行打靶法, 数学杂志, Vol. 5, No. 1, (1985), 57—62.
176. 康立山, 陈毓屏, 异步并行算法展望, 自然杂志, No. 1, (1985), 27—30.
177. KSun Lelin and Quan Huiyun, The asynchronous parallel algorithms S—COR for solving P. D. E. 's on multiprocessors, International Journal of Computer Mathematics, Vol. 1, (1985), 163—172.
178. 康立山, 邱毓兰, 陈毓屏, 彭德纯, Schwarz 算法及其在分布式并行处理机上的应用 (I) — 解线性椭圆型边值问题, 分布式并行处理系统探索, 武汉大学出版社, (1984), 71—79.
179. 康立山, 陈毓屏, 邱毓兰, Schwarz 算法及其在分布式并行处理机上的应用 (II) — 解弱非线性椭圆型边值问题, 分布式并行处理系统探索, 武汉大学出版社, (1984), 115—122.
180. 康立山, 陈毓屏, Schwarz 算法及其在分布式并行处理机上的应用 (III) — 解定常二维 Navier—Stokes 方程, 分布式并行处理系统探索, 武汉大学出版社, (1984), 80—91.
181. 陈毓屏, 康立山, Schwarz 算法及其在分布式并行处理机上的应用 (IV) — 解奇异性椭圆型边值问题, 分布式并行处理系统探索, 武汉大学出版社, (1984), 102—114.
182. 康立山, 陈毓屏, 孙乐林, Schwarz 算法及其在分布式并行处理机上的应用 (V) — 解非定常数学物理问题, 分布式并行处理系统探索, 武汉大学出版社, (1984), 92—101.
183. 康立山, 一类新型的异步并行算法, 分布式并行处理系统探索, 武汉大学出版社, (1984), 60—70.
184. 康立山等, 分布式并行处理系统探索, 武汉大学出版社, (1984).
185. 康立山, 解数学物理问题的异步并行算法, 数学物理学报, No. 3, (1983), 483—494.
186. 康立山, Schwarz 交替法的推广, 武汉大学学报 (自然科学版), No. 4, (1979), 11—23.
187. Kang Lishan, The Schwarz algorithm, Wuhan University Journal Special Issue of Math., (I), (1981), 77—88.

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