

## Publications of 2006:

### Monographs and printed lecture notes:

1. Y.H.Dai and D. H. Li, Special issue on Conjugate Gradient and Quasi-Newton Methods for Nonlinear Optimization, Pacific Journal of Optimization, Vol. 2, No. 1 (2006), .
2. W.Y. Sun and Y. Yuan, Optimization Theory and Methods: Nonlinear Programming, Springer, 2006.
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4. (张文生)编著, 科学计算中的偏微分方程有限差分法, 北京, 高等教育出版社.2006.

### Papers published in research journals:

1. Zhong-Zhi Bai(白中治), Xiao-Xia Guo and Shu-Fang Xu, Alternately linearized implicit iteration methods for the minimal nonnegative solutions of nonsymmetric algebraic Riccati equations, Numerical Linear Algebra with Applications , 13,8(2006), 655-674. SCI/EI
2. Zhong-Zhi Bai(白中治), Structured preconditioners for nonsingular matrices of block two-by-two structures, Mathematics of Computation , 75,254(2006), 791-815. SCI/EI
3. Zhong-Zhi Bai(白中治), Gene H. Golub and Chi-Kwong Li, Optimal parameter in Hermitian and skew-Hermitian splitting method for certain two-by-two block matrices, SIAM Journal on Scientific Computing , 28,2(2006), 583-603. SCI/EI
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- 8.HaijunWu and Zhiming Chen (陈志明), Uniform convergence of multigrid V-cycle on adaptively refined meshes for second order elliptic problems, Science on China, Series A, Mathematics, 49 (2006), 1405-1429. SCI.
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- 11.Y.H. Dai (戴彧红), Fast Algorithms for Projection on an Ellipsoid, SIAM J. Optimization, 16 (4 )(2006), 986-1006. SCI.
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- 13..Y.H.Dai (戴彧红) W. Hager, K.Schittkowski and H.C.Zhang , The cyclic Barzilai--Borwein method for unconstrained optimization, IMA Journal of Numerical Analysis, 26(3) (2006), 604-627. SCI
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- 20.Jialin Hong; (洪佳林) Rudolf Scherer; Lijin Wang, Midpoint rule for a linear stochastic oscillator with additive noise, Neural, Parallel & Scientific Computations 14 (2006) 1-12,SCI.
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