

2009 年发表的论文:

1. Jiming Yang and **Yanping Chen**, An efficient adaptive algorithm based on upwind difference for a singularly perturbed two-point boundary value problem, *Numerical Mathematics A Journal of Chinese Universities*, Vol. 31, No. 3, 2009, pp. 277-288. (in Chinese)
2. **Yanping Chen**, Peng Luan, and Zuliang Lu, Analysis of two-grid methods for nonlinear parabolic equations by expanded mixed finite element methods, *Advances in Applied Mathematics and Mechanics*, Vol. 1, No. 6, 2009, pp. 830-844. (SCI 收录)
3. **Yanping Chen** and Tao Tang, Spectral methods for weakly singular Volterra integral equations with smooth solutions, *Journal of Computational and Applied Mathematics*, Vol. 233, 2009, pp. 938-950. (SCI 收录)
4. **Yanping Chen**, Yao Fu, Huanwen Liu, Yongquan Dai, and Huayi Wei, Recovery a posteriori error estimates for general convex elliptic optimal control problems subject to pointwise control constraints, *Journal of Computational Mathematics*, Vol.27, No.4, 2009, 543-560. (SCI 收录)
5. **Yanping Chen** and Yongquan Dai, Superconvergence for optimal control problems governed by semi-linear elliptic equations, *Journal of Scientific Computing*, Vol. 39, 2009, pp. 206–221. (SCI 收录)
6. Huanwen Liu, Libin Liu, and **Yanping Chen**, A semi-discretization method based on quartic splines for solving one-space-dimensional hyperbolic equations, *Applied Mathematics and Computation*, Vol. 210, 2009, pp. 508–514. (SCI 收录)
7. Liu Yang, **Yanping Chen***, and Xiaojiao Tong, Smoothing Newton-like method for the solution of nonlinear systems of equalities and inequalities, *Numer. Math. Theor. Meth. Appl.*, Vol. 2, No. 2, 2009, pp. 224-236. (SCI 收录, *通讯作者)
8. Zuliang Lu and **Yanping Chen***, A posteriori error estimates of triangular mixed finite element methods for semilinear optimal control problems, *Advances in*

Applied Mathematics and Mechanics, Vol. 1, No. 2, 2009, pp. 242-256. (SCI 收录, *通讯作者)

9. Zuliang Lu and **Yanping Chen**, L^∞ -error estimates of triangular mixed finite element methods for optimal control problems governed by semilinear elliptic equations, Numerical Analysis and Applications, 2009, Vol. 2, No. 1, pp. 1–13.
10. **Yanping Chen** and Li Li, L^p error estimates of two-grid schemes of expanded mixed finite element methods, Applied Mathematics and Computation, 209 (2009), pp. 197–205. (SCI 收录)
11. Yin Yang, **Yanping Chen**, and Yunqing Huang*, An efficient moving mesh method for a model of turbulent flow in circular tubes, Journal of Computational Mathematics, Vol.27, No.2-3, 2009, 388–399. (SCI 收录)
12. Zhengsu Wan, **Yanping Chen***, and Yunqing Huang, Legendre spectral Galerkin method for second-kind Volterra integral equations, Front. Math. China, Vol.4, No.1, 2009, 181–193. (SCI 收录, *通讯作者)