

- A local min-max-orthogonal method for multiple solutions of noncooperative elliptic systems (with J. Zhou), *Mathematics of Computation* (to appear)
- A local min-orthogonal method for multiple solutions of superlinear elliptic systems (with J. Zhou), *Discrete and Continuous Dynamical Systems Supplement* (to appear)
- Blowup and solitary wave solutions with ring profiles of two-component nonlinear Schrödinger systems (with Tai-Chia Lin and Juncheng Wei), *Physica D: Nonlinear Phenomena* (Revision submitted)
- A numerical method for finding multiple co-existing solutions to nonlinear cooperative systems (with J. Zhou and X. Yao), *Appl. Num. Math.*, 58(2008), 1614-1627
- On homotopy continuation method for computing multiple solutions to the Henon equation (with J. Zhou), *Num. Meth. PDEs*, 24(2008), 728-748
- “Analysis and Computation of Multiple Unstable Solutions to Nonlinear Elliptic Systems”, *Ph.D. Dissertation*, Texas A&M University, College Station, 2008
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- 3-D simulation of oxygen leak and diffusion in a sealed chamber (with H. Qi, etc), *Computer Simulation*, Vol. 19, 6(2002), 15-17 & 60
- Optimal design of a two-stage mounting isolation system by maximum entropy approach (with H. Qi, etc), *Journal of Sound and Vibration*, U.K., Vol. 243, 4(2001), 591-599
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- System simulation on Three Gorges permanent shiplock's running (with F. Lu, etc), *Proceedings of Chinese Control and Decision Conference 2000*, P.R. China, 709-712
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- Convergence analysis of a local min-max-orthogonal method (with J. Zhou), *preprint*