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Education

B.S. Applied Mathematics, Peking University, 2005.

Ph.D. Applied Mathematics, Peking University, *expected* 2010.

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Research Interests

Stochastic Modeling and Computation

Publications

1. Wang Ming, Xu Jinchao and Hu Yucheng, *Modified Morley Element Method for a Fourth Order Elliptic Singular Perturbation Problem*, J COMPUT MATH, 24 (2006), 113-120.
2. Yucheng Hu, Xiang Peng, Tiejun Li and Hong Guo, *On the Poisson Approximation to Photon Distribution for Faint Lasers*, Phys. Lett. A, 367 (2007), 173-176.
3. Yucheng Hu and Tiejun Li, *Highly Accurate Tau-leaping Methods with Random Corrections*, J. Chem. Phys., 130 (2009), 124109.
4. Assyr Abdulle, Yucheng Hu and Tiejun Li, *Chebyshev methods with discrete noise: the τ -ROCK methods*, submitted to J. Comp. Math., 2009.
5. Yucheng Hu, Tiejun Li and Bin Min *Local truncation error analysis of tau-leaping methods: revisited*, submitted to Comm. Math. Sci., 2009.