

**CHUNBO WANG**  
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## OBJECTIVE

Highly motivated Mathematics Ph.D. seeking a full-time position as a **Quantitative Analyst** beginning in May, 2007.

## EDUCATION

- **Ph.D. in Applied Mathematics**, *Purdue University in West Lafayette*, expected May 2007
- **M.S. in Computational Finance**, *Purdue University in West Lafayette*, expected May 2007
- **M.S. in Mechanics**, *Peking University*, China, July 2000
- **B.S. in Mathematics**, *Peking University*, China, July 1997

## PROFESSIONAL EXPERIENCE

- **Graduate Instructor** at Purdue University for the past 6 years, teaching algebra, pre-calculus and business calculus. Excellent organizational, verbal, and written communication skills.
- **Paid Summer Intern** at Lawrence Livermore National Laboratory in 2004 and 2005. Worked with the computational group ISCR. Excelled at team projects and worked well under pressure to meet deadlines.
- **Teaching Assistant** at Peking University in 1998.
- **Part-time Computer Engineer** at OPI Ltd in Beijing in 2000. Created their web site and maintained their database.

## SKILLS AND QUALIFICATIONS

### Quantitative

- Mathematical Modeling, Numerical Methods, Finite Difference/Element/Volume Methods, Iterative Solvers, Multi-Scale Methods
- Statistical Analysis, Monte Carlo Simulation, Bayesian Analysis, Quality Control
- Stochastic Processes, Brownian Motion, Stochastic Differential Equations

### Financial

- Derivative Pricing Models, Black-Scholes Analysis, Arbitrage Pricing Theory, Hedging Techniques
- Risk Management for Options and Portfolios, Portfolio Optimization
- Cash Flow, Interest Rate Models
- Game Theory, Economics, Auction Models

### Computer

- **Software:** C, C++, FORTRAN, Gauss, MATLAB, Mathematica, MAPLE, LaTeX, HTML, Microsoft Office, Visual Basic, Java, MySQL
- **Hardware:** Unix (SunOS), Window, Linux

## SELECTED PAPERS

- *Mixed Finite Element Methods for Incompressible Flow: Stationary Stokes Equations* with Z. Cai, C. Tong and P. Vassilevski, under review at a leading mathematical journal.
- *Mixed Finite Element Methods for Incompressible Flow: Stationary Navier-Stokes Equations* with Z. Cai and S. Zhang, under review at a leading mathematical journal.

## LANGUAGES

Fluent in English and Mandarin Chinese (native speaker)