

Curriculum Vitae (Hao-Min Zhou)

PERSONAL DATA:

Birth Date: April 13, 1969. **Citizenship:** P. R. China.

E-mail: hmzhou@math.gatech.edu **Office Phone:** (404)-894-2712.

EDUCATION:

- Ph.D. in Applied Mathematics, University of California, Los Angeles, 2000 (Advisor: Tony F. Chan).
- M.Phil. in Mathematics, The Chinese University of Hong Kong, Hong Kong, 1996 (Advisor: Raymond H. Chan).
- Undergraduate Institution: Peking University, Beijing, China, Major: Mathematics. Degree and year: B.S., 1991.

PROFESSIONAL EXPERIENCE:

- 2003-present: Assistant Professor in Mathematics at Georgia Institute of Technology, Atlanta.
- 2001-2002: von Kármán instructor and Postdoctor Scholar, Department of Applied and Computational Mathematics, California Institute of Technology, Pasadena, California.
- March, 2001 – June, 2001: Postdoctor Scholar, Core Participant in Geometrically Based Motions Program, Institute for Pure and Applied Mathematics, UCLA.

HONORS:

- Honorable Mention in Householder Award XI(2002), for Ph.D dissertation *Wavelet Transforms and PDE Techniques in Image Compression*, written at UCLA under the supervision of Tony Chan.

COLLABORATORS:

Tony F. Chan (UCLA), Michelle Effros (Caltech) Thomas Y. Hou (Caltech), Boris Rozovskii (USC), Raymond F. Chan (CUHK), Diego Dugatkin (Ixia), Hongjoong Kim (Korea), Jackie J. Shen (Minnesota).

PUBLICATIONS:

1. T. Hou, H. Kim, B. Rozovskii and H. M. Zhou, ‘Wiener Chaos Expansions and Numerical Solutions of Randomly Forced Equations of Fluid Mechanics’, in the *proceedings to the 6th Hellenic European Conference on Computer Mathematics and its Applications*, Athens, Greece, Sept. 25-27, 2003,
2. T.F. Chan and H.M. Zhou, ‘ ENO-wavelet Transforms for Piecewise Smooth Functions’, *SIAM J. Numer. Anal.*, Vol 40, No. 4 (2002), 1369–1404;
3. Tony F. Chan and H. M. Zhou, ‘ Total Variation Minimizing Wavelet Coefficients for Image Compression and Denoising’, submitted to *SIAM Journal on Scientific Computing*,
4. D. Dugatkin, H. M. Zhou, T.F. Chan and M. Effros, ‘ Lagrangian Optimization of a Group Testing for ENO Wavelets Algorithm’, in the *proceeding to the 2002 Conference on Information Sciences and Systems*, Princeton Univeristy, March 20-22, 2002.
5. R. H. Chan, S. F. Xu, and H. M. Zhou, ‘On the Convergence Rate of a Quasi-Newton Method for Inverse Eigenvalue Problems’, *SIAM J. Numer. Anal.*, 36 (1999), 436–441,