

CURRICULUM VITAE

Name: Li-Hui Peng

Date and Place of Birth: December 4, 1978; Hunan, China

Academic Degree: Ph.D. (2007.6)

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Education

- September 1997 - July 2001: B.Sc., Department of Mathematics, Hunan University, Changsha, China
- September 2001 - August 2004: M.Sc., Department of Mathematics, Hunan University, Changsha, China
- September 2004 - June 2007: Ph.D., Department of Mathematics, Zhejiang University, Hangzhou, China

Research Interests

- Nonlinear approximations
- Optimization and fixed point theory

Visiting Positions

- National Sun Yat-sen University, Kaohsiung: January 2011-March 2011;
- The Chinese University of Hong Kong, Hong Kong: July 2013-October 2013.

Research Projects

- well-posedness of a class of perturbed optimization problems, supported by Tianyuan Foundation of National Natural Science Foundation of China, No. 10926035, 2010.1-2010.12.
- well-posedness of some approximation problems, supported by the National Natural Science Foundation of China, No. 11101363, 2012.1-2014.12.

List of Publications

1. Porosity of fixed points for nonexpansive set-valued maps, **Set-Valued Var. Anal.**, 22(2): 333-348, 2014 (with C. Li).
2. Porosity of mutually nearest and mutually furthest points problems in geodesic space, **Numerical Functional Analysis and Optimization**, 33(3): 284-300, 2012.
3. Generic well-posedness for perturbed optimization problems in Banach spaces, **Taiwanese Journal of Mathematics**, 14(4): 1351-1369, 2010 (with C. Li and J. C. Yao).
4. Well-posedness of a class of perturbed optimization problems in Banach spaces, **Journal of Mathematical Analysis and Applications**, 346(2): 384-394, 2008 (with C. Li and J. C. Yao).
5. Uniqueness of Simultaneous Approximations in Continuous Function Spaces, **Applied Mathematics Letters**, 21: 383-387, 2008 (with C. Li).
6. Existence and Well-posedness in Approximation Theory in Banach Spaces, **Advances in Mathematics**, 37(3): 257-268, 2008 (with C. Li).
7. Porosity of Perturbed Optimization Problems in Banach Spaces, **Journal of Mathematical Analysis and Applications**, 325: 987-1002, 2007, (with C. Li).
8. Existence and Porosity for a Class of Perturbed Optimization Problems in Banach Spaces, **Journal of Mathematical Analysis and Applications**, 324: 751-761, 2006 (with C. Li).
9. Existence and Nonexistence of Global Classical Solutions to Porous Medium and Plasma Equations with Singular Sources, **Acta Mathematica Sinica (Engl. Ser.)**, 22(2): 485-496, 2006 (with Q.Y. Dai).
10. Necessary and Sufficient Conditions for the Existence of Nonnegative Solutions of Inhomogeneous p-Laplace Equation, **Acta Mathematica Scientia**, 27B(1): 34-56, 2007 (with Q.Y. Dai).