Contact Information

Address: Department of Math and Computer Science

St. John's University 8000 Utopia Parkway Queens NY 11439 (347)-420-0077

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Education

2012–2017 Ph.D. in Mathematics, New York University, New York, U.S.

Adviser: Erwin Lutwak, Deane Yang, and Gaoyong Zhang

Thesis: Geometric measures, affine invariants,

and their characterizations

2007–2011 B.S. in Mathematics, Shanghai University, Shanghai, China

Research Interests

convex geometry, geometric analysis, partial differential equations

Employment

2017.9 – 2017.6 Assistant Professor (Contract Faculty)

at St. John's University

2017.7 - 2017.8 Research Associates & Adjunct Professor

at New York University

Publications and Preprints

• Peer-reviewed:

- 1. (with Y. Huang) On the L_p dual Minkowski problem, Adv. Math., in press.
- 2. Existence of solutions to the even dual Minkowski problem. *J. Differential Geom.*, in press.
- 3. The dual Minkowski problem for negative indices. Calc. Var. Partial Differential Equations, 56 (2):18, 2017.
- 4. On L_p -affine surface area and curvature measures. *Int. Math. Res.* Not. IMRN, (5): 1387–1423, 2016.

• Preprints:

- 1. The L_p Aleksandrov problem for origin-symmetric polytopes, preprint.
- 2. (with C. Chen, and Y. Huang) Smooth solutions to the L_p -dual Minkowski problem, submitted.
- 3. (with K. Böröczky, E. Lutwak, D. Yang, and G. Zhang) The dual Minkowski problem for symmetric convex bodies, *preprint*.

Invited Talks

- 2018 Mar. AMS special session at Ohio State University, The Aleksandrov problem and its recent development.
- 2017 Dec. St. Johns University, Minkowski problems and Monge-Ampère type equations.
- 2017 Sept. CUNY Graduate Center, Geometric Analysis Seminar: Minkowskitype problems in convex geometry.
- 2017 Feb. Case Western Reserve University, Analysis & Probability Seminar: On the dual Minkowski problem.
- 2017 Feb. Kent State University, Measure Theory Seminar: The dual Minkowski problem and its solution.
- 2015 Sep. Oaxaca, Mexico (CMO workshop): On L_p -affine surface area and curvature measures.

Courses Taught

- Engineering Calculus II
- Calculus III
- College Algebra with Applications (for business majors)
- Statistical Applications for Pharmacy and Applied Health
- Business Calculus
- Pharmacy Calculus
- Recitation for graduate Linear Algebra
- Recitation for undergraduate and graduate Real Analysis