**Dongmeng Xi**

Associate Professor of Shanghai University

Email: [dongmeng.xi@live.com](mailto:dongmeng.xi@live.com); xi\_dongmeng@shu.edu.cn

**Education**

2012-2015 Shanghai University Mathematics Ph.D.

**Professional Experience**

01/2019 Associate Professor, Shanghai University

11/2019-01/2021 Visiting scholar, Courant Institute of Mathematics, New York University

10/2016-12/2018 Postdoctoral Fellow, School of Mathematical Sciences, Fudan University

10/2015-12/2018 Lecturer of Mathematics, Shanghai University

09/2014-09/2015 Exchanging Ph.D. student, Department of Mathematics, Polytechnic School of Engineering, New York University

**Research fields**

Convex geometry, Geometric Analysis

**Publications**

1. Yong Huang, **Dongmeng Xi**, Yiming Zhao. The Minkowski Problem in the Gaussian probability space. **Adv. Math.** [Volume 385](https://www.sciencedirect.com/science/journal/00018708/385/supp/C" \o "Go to table of contents for this volume/issue), 16 July 2021, 107769.
2. **Dongmeng Xi\***, Yiming Zhao. General affine invariances related to Mahler volume. **Int. Math. Res. Not.** Published online, 2021.
3. Youjiang Lin and **Dongmeng Xi\***. Orlicz affine isoperimetric inequalities for star bodies. Adv. App. Math. (2022) 134: 10230.
4. Yuchi Wu, **Dongmeng Xi\***, Gangsong Leng. On the discrete Orlicz Minkowski problem. **Trans. Amer. Math. Soc.** 371 (2019) 1795-1814.
5. Ai-Jun Li, **Dongmeng Xi\***, and Gaoyong Zhang, Volume inequalities of convex bodies from cosine transforms on Grassmann manifolds. **Adv. Math.** 304 (2017), 494-538.
6. **Dongmeng Xi\*** and Gangsong Leng. Dar’s conjecture and the log-Brunn-Minkowski inequality, **J. Differential Geom.** 103 (2016) 145-189.
7. **Dongmeng Xi\*,** Hailin Jin, and Gangsong Leng. The Orlicz Brunn-Minkowski inequality, **Adv. Math.** 260 (2014) 350-374.
8. **Dongmeng Xi\***, Lujun Guo, and Gangsong Leng. Affine inequalities for Lp mean zonoids, **Bull. London Math. Soc.** 46 (2014) 367-378.
9. Youjiang Lin and **Dongmeng Xi\***. Affine Orlicz Pólya–Szegö Principles and Their Equality Cases. **Int. Math. Res. Not.** [2021, no. 9,](https://mathscinet.ams.org/mathscinet/search/publications.html?pg1=ISSI&s1=449893) 7159–7204.
10. Ai-Jun Li, Dongmeng Xi, Qingzhong Huang. A Grassmannian Loomis-Whitney inequality and its dual. **[J. Lond. Math. Soc.](https://mathscinet.ams.org/mathscinet/search/journaldoc.html?id=6317)** [(2)](https://mathscinet.ams.org/mathscinet/search/journaldoc.html?id=6317) [101 (2020), no. 3,](https://mathscinet.ams.org/mathscinet/search/publications.html?pg1=ISSI&s1=440411) 1219-1249.
11. Yuchi Wu, Dongmeng Xi, Gangsong Leng. On the discrete Orlicz Minkowski problem II. **Geom. Dedicata** 205 (2020) 177-190.
12. Ai-Jun Li, Qingzhong Huang, Dongmeng Xi. New sine ellipsoids and related volume inequalities.**[Adv. Math.](https://mathscinet.ams.org/mathscinet/search/journaldoc.html?id=3544)**[353 (2019),](https://mathscinet.ams.org/mathscinet/search/publications.html?pg1=ISSI&s1=378503)281-311.
13. Ai-Jun Li, Qingzhong Huang, Dongmeng Xi. Sections and projections of Lp-zonoids and their polars.**[J. Geom. Anal.](https://mathscinet.ams.org/mathscinet/search/journaldoc.html?id=6415)**[28 (2018), no. 1,](https://mathscinet.ams.org/mathscinet/search/publications.html?pg1=ISSI&s1=358820) 427-447
14. Ai-Jun Li, Qingzhong Huang, Dongmeng Xi. Volume inequalities for sections and projections of Wulff shapes and their polars. **Adv. in Appl. Math.** 91 (2017), 76-97.