

Rui Xiong

熊锐; Pinyin: Xióng Ruì.



cubicbear.github.io

Personal Information

- **First Name** Rui
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Degrees

- **B.Sc.** 2019, SHANDONG UNIVERSITY, CHINA
Thesis Title: 关于群行列式 (*On the theory of group determinants*)
Supervisor: Shoumin Liu
- **M.Sc.** 2021, SAINT PETERSBURG STATE UNIVERSITY, RUSSIA
Thesis Title: *Comodule Structure of Chow Rings of Flag Varieties*
Supervisor: Victor Petrov

Publications

- [1] 集合论、拓扑与代数初步 (*An introduction to set theory, topology and algebra*).
Shoumin Liu and Rui Xiong, Tsinghua University Press. ISBN: 9787302541646.

Preprints

- [2] *Pieri and Murnaghan–Nakayama type Rules for Chern classes of Schubert Cells*. (submitted)
Neil J.Y. Fan, Peter L. Guo and Rui Xiong [arXiv:2211.06802] math.CO math.AG
- [3] *Structure algebras, Hopf algebroids and oriented cohomology of a group*. (submitted)
Martina Lanini, Rui Xiong and Kirill Zainoulline [arXiv:2303.02409] math.AG math.RT math.CO
- [4] *Automorphisms of the Quantum Cohomology of the Springer Resolution and Applications*. (submitted)
Changzheng Li, Changjian Su and Rui Xiong [arXiv:2304.07173] math.AG math.RT math.CO
- [5] *Bumpless pipe dreams meet puzzles*. (submitted)
Neil J.Y. Fan, Peter L. Guo and Rui Xiong [arXiv:2309.00467] math.CO math.AG
- [6] *On the Peterson subalgebra and its dual*.
Rui Xiong, Changlong Zhong and Kirill Zainoulline [arXiv:2312.03965] math.RA math.AG
- [7] *A Pieri type formula for motivic Chern classes of Schubert cells in Grassmannians*.
Neil J.Y. Fan, Peter L. Guo, Changjian Su and Rui Xiong [arXiv:2402.04500] math.CO math.AG math.RT

L^AT_EX

- [8] The L^AT_EX package TooYoung. [Github:CubicBear/TooYoung]

Research Areas

Algebraic Combinatorics. Enumerative Geometry.

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