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Personal Information

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Education

- **B.Sc.** 2015–2019, SHANDONG UNIVERSITY, CHINA.
- **M.Sc.** 2019–2021, SAINT PETERSBURG STATE UNIVERSITY, RUSSIA.
- **PhD** 2022–2026, UNIVERSITY OF OTTAWA, CANADA.

Preprints and Publications



[2509.01101]

ADE diagrams, Hodge–Tate hyperplane sections and semisimple quantum cohomology

Sergey Galkin, Naichung Conan Leung, Changzheng Li and Rui Xiong

[2506.09421]

Graham positivity of triple Schubert calculus

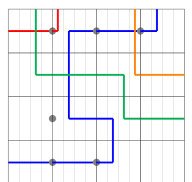
Yibo Gao and Rui Xiong



[2501.16172]

Chern Classes of Open Projected Richardson Varieties and of Affine Schubert Cells

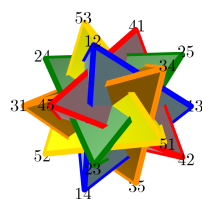
Neil J.Y. Fan, Peter L. Guo, Changjian Su and Rui Xiong



[2411.01637]

Hybrid pipe dreams for key polynomials

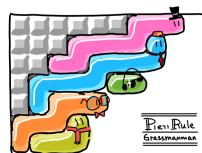
Yihan Xiao, Rui Xiong and Haofeng Zhang



[2404.07314]

Motivic Lefschetz theorem for twisted Milnor hypersurfaces

Rui Xiong and Kirill Zainoulline



[2402.04500]

A Pieri type formula for motivic Chern classes of Schubert cells in Grassmannians

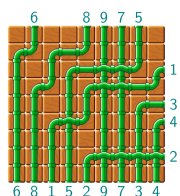
Neil J.Y. Fan, Peter L. Guo, Changjian Su and Rui Xiong

CANADIAN JOURNAL OF MATHEMATICS, accepted,

[2312.03965]

On the Formal Peterson subalgebra and its dual

Rui Xiong, Changlong Zhong and Kirill Zainoulline

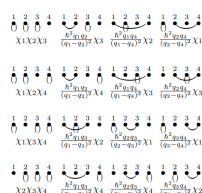


ADVANCES IN MATHEMATICS, Volume 463, March 2025, 110113

[2309.00467]

Bumpless pipe dreams meet puzzles

Neil J.Y. Fan, Peter L. Guo and Rui Xiong

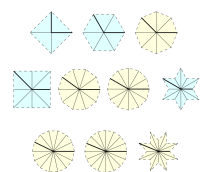


ADVANCES IN MATHEMATICS, Volume 442, April 2024, 109577.

[2304.07173]

Automorphisms of the Quantum Cohomology of the Springer Resolution and Applications

Changzheng Li, Changjian Su and Rui Xiong

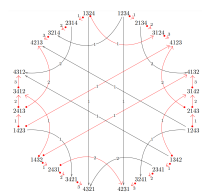


MATHEMATICAL RESEARCH LETTER, Volume 32 (2025) Number 3.

[2303.02409]

Structure algebras, Hopf algebroids and oriented cohomology of a group

Martina Lanini, Rui Xiong and Kirill Zainoulline



[2211.06802]

Pieri and Murnaghan–Nakayama type Rules for Chern classes of Schubert Cells

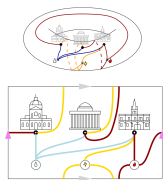
Neil J.Y. Fan, Peter L. Guo and Rui Xiong

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[2205.05420]

Equivariant log-concavity and equivariant Kähler packages

Tao Gui and Rui Xiong



TSINGHUA UNIVERSITY PRESS, ISBN: 9787302541646 (2019).

集合论、拓扑与代数初步

(An introduction to set theory, topology and algebra)

Shoumin Liu and Rui Xiong