Sylvester W. Zhang
张文泽

Personal Information

Email: swzhang@umn.edu
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Research Interests

Algebraic combinatorics, including: cluster algebras, discrete dynamical systems, combinatorial representation theory and integrable systems.

Education

University of Minnesota, Twin Cities — Minneapolis, MN
Ph.D. in Mathematics — Sep 2020 – Present
Advisor: Pavlo Pylyavskyy

University of Minnesota, Twin Cities — Minneapolis, MN
B.S. in Mathematics — Sep 2016 – May 2020
B.A. in Quantitative Economics

Preprints

An Expansion Formula for Decorated Super-Teichmüler Spaces.
with G. Musiker & N. Ovenhouse.
arXiv preprint arXiv:2102.09143, 2021.

Rowmotion Orbits of Trapezoid Posets.
with J. Wellman, Q. Dao, & C. Yost-Wolff.
arXiv preprint arXiv:2002.04810, 2020.

Arborescence of Covering Graphs.
with S. Chepuri, C. Dowd, A. Hardt, G. Michel, & V. Zhang.
arXiv preprint arXiv:1912.01060, 2019.

Work in Progress

A Lattice Model for LLT Polynomials.
with M. Curran, C. Yost-Wolff & V. Zhang.

Talks

Schur and LLT Polynomials from Lattice Models. — March 2021
Graduate Online Combinatorics Colloquium (GOCC)

T-paths Formula for Decorated Super-Teichmüller Spaces. — Feb 2021
Combinatorics Seminar, University of Minnesota

Teaching Experience

Teaching assistant, University of Minnesota
Math 1271: Fall 2020 Spring 2021
Math 1051: Fall 2019 Spring 2020

Skills

Programming
Python, SageMath, Mathematica.
Languages
Chinese Mandarin (native), English (fluent)

张文泽的个人简历
中文副本

个人信息

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主页: http://www.umn.edu/~swzhang

研究兴趣

代数组合学, 包括: cluster 代数，离散动态系统，组合表示论，以及离散可积系统.

教育经历

明尼苏达大学   明尼阿波利斯, 美国
  数学博士 (在读)   2020 年 9 月 – 2024(预计)
  导师: Pavlo Pylyavskyy
明尼苏达大学   明尼阿波利斯, 美国
  数学学士   2016 年 9 月 – 2020 年 5 月
  计量经济学学士

论文 (预印)

An Expansion Formula for Decorated Super-Teichmüler Spaces.
  共同作者: G. Musiker & N. Ovenhouse.
  arXiv preprint arXiv:2102.09143, 2021.
Rowmotion Orbits of Trapezoid Posets.
  共同作者: J. Wellman, Q. Dao, & C. Yost-Wolff.
  arXiv preprint arXiv:2002.04810, 2020.
Arborescence of Covering Graphs.
  共同作者: S. Chepuri, C. Dowd, A. Hardt, G. Michel, & V. Zhang.
  arXiv preprint arXiv:1912.01060, 2019.

会议和讲座

Schur and LLT Polynomials from Lattice Models.   2021 年 3 月
  Graduate Online Combinatorics Colloquium (GOCC)
T-paths Formula for Decorated Super-Teichmüller Spaces.   2021 年 2 月
  Combinatorics Seminar, University of Minnesota

教学经验

助理教师, 明尼苏达大学
  微积分: 2020-21 学年
  微积分预科: 2019-20 学年

技能

编程语言
  Python, SageMath, Mathematica.
语言
  汉语普通话 (母语), 英语 (流利)