

Sylvester W. Zhang

张文泽

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Personal Information

Email: swzhang@umn.edu

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Research Interests

Algebraic combinatorics.

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-Teichmüller Spaces.

with G. Musiker & N. Ovenhouse.

arXiv preprint [arXiv:2102.09143](https://arxiv.org/abs/2102.09143), 2021.

Rowmotion Orbits of Trapezoid Posets.

with J. Wellman, Q. Dao, & C. Yost-Wolff.

arXiv preprint [arXiv:2002.04810](https://arxiv.org/abs/2002.04810), 2020.

Arborescence of Covering Graphs.

with S. Chepuri, C. Dowd, A. Hardt, G. Michel, & V. Zhang.

arXiv preprint [arXiv:1912.01060](https://arxiv.org/abs/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

更新于 2021 年 10 月 30 日

个人信息

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主页: <http://www.umn.edu/~swzhang>

研究兴趣

代数组合学.

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	

学术论文 论文 (预印)

An Expansion Formula for Decorated Super-Teichmüller Spaces.

共同作者: G. Musiker & N. Ovenhouse.
arXiv preprint [arXiv:2102.09143](https://arxiv.org/abs/2102.09143), 2021.

Rowmotion Orbits of Trapezoid Posets.

共同作者: J. Wellman, Q. Dao, & C. Yost-Wolff.
arXiv preprint [arXiv:2002.04810](https://arxiv.org/abs/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](https://arxiv.org/abs/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

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