

Daren Chen

CONTACT INFORMATION

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EDUCATION

Stanford University

Ph.D. in math, Sep 2018 - Present.
Advisor: Ciprian Manolescu

University of Cambridge, Trinity College

MMath and BA, Sep 2014 - Jun 2018.

PREPRINTS AND PAPERS

1. Floer Lasagna modules from link Floer homology, preprint(2022), arXiv:2203.07650
2. Twistings and the Alexander polynomial, preprint(2022), arXiv:2202.12489
3. Generalised homomorphisms, measuring coalgebras and extended symmetries (with M. Batchelor, W. Boulton, J.Rawlinson, M.Warsi), preprint(2021), arXiv:2105.02527
4. Khovanov-type homologies of null homologous links in \mathbb{RP}^3 , *Quantum Topology*, under revision, arXiv:2104.04779

TALKS

1. Introduction to Floer lasagna modules, University of Hamburg, August 2022
2. [Online] Twistings and the Alexander polynomial, Knots in Washington 49.75, April 2022
3. [Online] Lasagna algebra and Floer lasagna module, GT GAPS, March 2022
4. Khovanov-type homologies of null homologous links in \mathbb{RP}^3 , GSTGC 2022 GaTech, March 2022
5. Khovanov-type homologies of null homologous links in \mathbb{RP}^3 , Stanford University Topology Seminar, September 2021

TEACHING

As a teaching assistant at Stanford University:

- Math 20: Calculus, Autumn 2018
- Math 51: Linear Algebra, Multivariable Calculus, and Modern Applications. Winter 2020, Winter 2021, Summer 2021, as Admin TA for Winter 2022
- Math 120: Groups and Rings. Autumn 2019
- Math 143: Differential Geometry. Spring 2019
- Math 215A: Algebraic Topology. Autumn 2020, Autumn 2021

PROFESSIONAL SERVICES

Organizing committee for Kylerec 2022, 2023.

Organizer of Student Topology Seminar at Stanford University during the academic year 2021-2022.