Le Tran

Department of Mathematics, Texas State University
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Education

- Ph.D. in Mathematics, New Mexico State University — Aug 2019 – Jul 2024
- M.Sc. in Mathematics, New Mexico State University — Aug 2017 – May 2019
- B.Sc. in Mathematics, The University of Da Nang - University of Science and Education — 2013 – 2017

Research Interest

Commutative Algebra and its interactions with Computational Algebra and Combinatorics.

Publications

1. A. Kumar, J. Pomeroy, L. Tran, Binomial Edge Ideals of Crown Graphs, *In: J. Algebraic Combin.* 62.3 (2025), Paper No. 51, 21.
2. Le Tran, Initially Regular Sequences on Cycles and Depth of Unicyclic Graphs, *submitted for publication*, available at https://doi.org/10.48550/arXiv.2309.07286

Employment/Positions held

- Assistant Professor of Instruction, Texas State University — Aug 2026 -
- Lecturer, Department of Mathematics, Texas State University — Aug 2024 - May 2026
- Graduate Teaching Assistant, Department of Mathematical Sciences, New Mexico State University — Aug 2017 - July 2024
- Research Assistant, Department of Mathematical Sciences, New Mexico State University — Summer 2023, 2024

Teaching Experience

At Texas State University

- Mathematics for Business and Economics I — Fall 2024
- Pre-Calculus — Spring 2025, 2026, Fall 2025, 2026
- Calculus I — Fall 2024, 2025, 2026, Spring 2025, Summer I 2026
- Calculus II — Summer I 2025
- Applied Linear Algebra — Spring, Fall 2026

At New Mexico State University

Instructor of record

- Intermediate Algebra — Fall 2018, 2021, 2022, 2023
- College Algebra — Fall 2020, Spring 2019, 2020, 2023
- Calculus II — Spring 2021, 2022, Summer 2021, 2022
- Introduction to Statistics — Spring 2024

Teaching Assistant

- Trigonometric & Pre-Calculus — Fall 2019, 2020, Spring 2024
- Calculus II — Fall 2018, Spring 2018
- College Algebra — Fall 2017
- Calculus I — Fall 2017

Grader

- Abstract Algebra I — Spring 2023
- Advanced Linear Algebra — Fall 2021, 2023
- Introduction to Modern Algebra — Spring 2020, Fall 2022
- Introduction to Higher Mathematics — Spring 2019

Awards & Scholarships

- Travel Grant, MSRI — May 2023
- Grad Success Scholarship, New Mexico State University — Fall 2021, Spring 2022
- Joseph E. Kist Department of Mathematical Sciences Graduate Studies Current Use Fund, New Mexico State University — Spring 2020, Fall 2021
- Academic Merit Scholarship in Mathematics, Vietnam — 2015, 2016
- Second Prize in Algebra, Third Prize in Analysis - Mathematical Olympiad Contest for National University Students, Vietnam — 2015
- Odon Vallet Scholarship, Recontres du Vietnam Foundation, Vietnam — 2014, 2015
- Top 20% in The Mathematics Contest for Excellent Senior, Vietnam — 2013
- Top 10% in The Mathematics Contest for Excellent Junior, Vietnam — 2012
- Top 10% in The Mathematics Contest for Excellent Sophomore, Vietnam — 2011

Invited Talks

- AMS Special Session on Commutative Algebra and Connections to Combinatorics — Sep 2024
- AMS Special Session on Recent Developments in Commutative Algebra — May 2024
- Southwest Local Algebra Meeting 2024, University of Oklahoma, poster presentation — Feb 2024
- Oklahoma State University, Algebra Seminar — Feb 2024
- Joint Mathematics Meeting, AMS Contributed Papers Session — Jan 2024
- AMS Special Session on Commutative Algebra with Connections to Combinatorics and Geometry, University of Cincinnati — Apr 2023
- New Mexico State University, Algebra Seminar — Mar 2023
- Southwest Local Algebra Meeting 2023, University of North Texas, poster presentation — Mar 2023
- Joint NMSU/Utep Workshop on Mathematics, Computer Science, and Computational Sciences at New Mexico State University — April 2022
- Three Minute Thesis, New Mexico State University — April 2022
- New Mexico State University, Commutative Algebra and Algebraic Geometry Seminar — Mar 2021

Conferences Attended

- AMS Special Session on Commutative Algebra and Connections to Combinatorics, University of Texas, San Antonio — Sep 2024
- AMS Special Session on Recent Developments in Commutative Algebra, San Francisco State University — May 2024
- Southwest Local Algebra Meeting 2024, University of Oklahoma — Feb 2024
- AMS Special Session, Joint Mathematics Meeting, San Francisco — Jan 2024
- Algebra Days, Arizona State University — Nov 2023
- Commutative Algebra Market Preparation workshop, University of Nebraska-Lincoln — Aug 2023
- Conference on Commutative Algebra and its Interaction with Algebraic Geometry, University of Notre Dame — May 2023
- AMS Special Session on Commutative Algebra with Connections to Combinatorics and Geometry, University of Cincinnati — Apr 2023
- Southwest Local Algebra Meeting 2023, University of North Texas — Mar 2023
- AMS Central Sectional Meeting, University of Texas at El Paso — Sep 2022
- Southwest Local Algebra Meeting 2022, Baylor University — Feb 2022
- Southwest Local Algebra Meeting 2020, Tulane University — Mar 2020
- Conference on Commutative Algebra and its Interaction with Algebraic Geometry, In Honor of Bernd Ulrich 2019, University of Notre Dame — Jun 2019
- MSRI Graduate Summer School and Macaulay2 Workshop 2019, University of Notre Dame — Jun 2019
- Southwest Local Algebra Meeting 2019, University of Texas at El Paso — Feb 2019