

# TRUNG VU

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## Education

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**Ph.D. in Mathematics**, Yale University

*2021– Present*

Advisor: Prof. Ivan Losev

**B.Sc. in Mathematics**, HKUST

*2017–2021*

## Research Interests

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Geometric representation theory, Quantum Algebra.

## Publications

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- T. Vu, *On the functor relating Harish-Chandra bimodules and Soergel bimodules*. arXiv: 2507.17067
- I. Losev, A. Tsymbaliuk, T. Vu, *On De Concini-Kac forms of quantum groups*. arXiv: 2601.06696
- T. Vu, *Quantum Harish-Chandra bimodules at roots of unity*. In progress.

## Invited Talks

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- AMS Eastern Sectional Meeting, Boston College *Mar 2026*
- Seattle Noncommutative Algebra Conference, University of Washington (short talk) *Dec 2025*
- Physics and Math seminar, Purdue University *Mar 2025*

## Contributed Presentations

- Categorification and Symplectic Duality Workshop, Northeastern University (Poster) *Jun 2025*

## Teaching

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**Instructor of Record**, Yale University

- Math 115 Calculus of Functions of One Variable II *Fall 2025*
- Math 115 Calculus of Functions of One Variable II *Spring 2025*

## Teaching Assistant/Grader

- Calculus, Linear Algebra, Introduction to Differential Manifolds.

## Workshops and Conferences Attended

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- WARTHOG 2025, University of Oregon, *Cluster Algebras and Braided Varieties* Aug 2025
- 7-th Canada-Mexico-US meeting, University of Southern California, *Representation Theory, Noncommutative Algebra, and Categorification* Jul 2025
- Advances in Representation Theory, Northeastern University Jun 2025
- Quantum Groups and Representation Theory, North Carolina State University, *On the occasion of Kailash Misra's 70 birthday* Oct 2024
- WARTHOG 2024, University of Oregon, *Coherent-constructible equivalences in local Geometric Langlands and Representation Theory* Jul 2024
- MSRI summer school, *Koszul Duality in the Local Langlands Program* Jul 2024
- The 14th Southern Lie Theory Workshop series, University of Virginia, *Quantum structures on Lie Theory* Mar 2024
- Summer school in Geometric Representation Theory, MIT, *Coulomb Branches and Knot Homology* Jun 2023