Curriculum Vitae

Toan Q. Pham

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Nationality: Việt Nam
Languages: Vietnamese (native), English (fluent)

Research interests

(Relative) Langlands program, (classical/analytical, geometric, symplectic) representation theory, spherical varieties, derived algebraic geometry.

Education

08/2022– now	Graduate student in Mathematics at Johns Hopkins University, USA Advisor: Yiannis Sakellaridis
01/2018–11/2021	Bachelor of Advanced Science (Honours), The University of Queensland, Australia Thesis: Weil's Conjecture on Tamagawa Number Supervisors: Masoud Kamgarpour, Matthew Spong

Seminar Talks

2024	Number theory seminar, Johns Hopkins Topic: Shimura varietes of PEL type
11/2023	Automorphic learning seminar, Johns Hopkins Topic: Springer resolution and representation theory
09/2023	Chromatic homotopy theory seminar, Johns Hopkins Topic: Spectrum
01/2023	Representation theory seminar, Johns Hopkins Topic: Perverse sheaves and six functor formalism
07/2021	Heron Island Workshop on Geometry and Representation Theory Talk's topic: The Hilbert-Mumford criterion
2021	Sydney Student Algebra Seminar Topic for Semester 1: Perverse sheaves Website: https://www.maths.usyd.edu.au/u/ciappara/SAS.html
2021	Heron Island Workshop on Geometry and Representation Theory Topic: Kempf-Ness theorem Website: https://sites.google.com/view/hiwgrt
07/2019	Quantum Field Theory (QFT) seminar Seminar topic: Symmetric spaces Talk's topic: Smooth manifolds Website: https://sites.google.com/site/masoudkomi/qft
04/2019	Quantum Field Theory (QFT) seminar Seminar topic: Lattice Models and applications Talk's topic: The six vertex model

Teaching experience

2023–	Teaching assistant for Johns Hopkins University
2020–2021	Tutor for the University of Queensland, Australia MATH1061 (Discrete Mathematics) MATH2401 (Mathematical Analysis) MATH2302 (Discrete Mathematics II)
2018–2019	Grader for the online school Art Of Problem Solving (AoPS) Helping out high school students in solving challenging mathematical problems Evaluate and comment on students' solutions for: Intermediate Counting and Probability Introduction to Geometry Intermediate Algebra, Calculus