

# Hoang Viet Do

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## EDUCATION

- Master's Student, Hanoi Institute of Mathematics, Valedictorian. 2022–2024  
*Advisor: Professor Ngo Viet Trung.*
- B.S. Honor Program in Mathematics, VNUHCM–University of Science, March 2022  
*Advisor: Associate Professor Mai Hoang Bien. Major GPA: 3.90/4.00.*

## PREPRINTS AND PUBLICATIONS

- On the ordinary and symbolic powers of fiber products, *submitted paper*  
*Joint work with Hop D. Nguyen and Seyed Amin Seyed Fakhari*
- Intersection graphs of general linear groups, *Journal of Algebra and its Applications*  
20 (2021), 2150039, 14 pages, *joint work with M. H. Bien.*
- \*–Group identities on units of division rings, *Communications in Algebra*  
49 (2021), 3010–3019, *joint work with M. Ramezan-Nassab and M. H. Bien.*

## ACADEMIC ACTIVITIES

- Application Driven Mathematics July –December, 2024  
*Supervised by Professors Tuan Tran and Nguyen Huu Hoi on*  
*The Inverse Littlewood–Offord problems*
- Fellowship for Pre-Graduate Studies in Mathematics 2022–2024  
*Supervised by Professor Thomas Koberda on*  
*Spectral Theory, Fractal and Hyperbolic Geometry*

## GRANTS RECEIVED

- The Research Grant in Science 2024–2025  
*by the National Foundation for Science and Technology, ID: 101.04-2023.30.*
- The Grant for Young Researchers 2022–2023  
*by UNESCO Center, ID: ICRTM03-2022.01*

## TALKS & CONFERENCES

- The 12th and 14th Scientific Conference, November 11–16, 2024  
*VNUHCM–University of Science, Ho Chi Minh City.* December 18–19, 2020
- VIASM Basic Notions Seminar, June 11, 2020  
*Vietnam Institute for Advanced Studies in Mathematics (VIASM), Hanoi.*
- DaHiTo Conference in Algebra–Geometry–Topology, December 4–6, 2019  
*by IMH, Ba Ria–Vung Tau College of Education.*

## TEACHING EXPERIENCE

- Mentor at The Projects in Mathematics and Applications Summer 2024  
*Compiled the tests and lectures, interviewed candidates*
- Main Instructor of the selected team of VNUHCM-US Spring 2023  
to enter Vietnam Mathematical Olympiad for Undergraduates  
*giving lectures on problem-solving strategies in algebra and combinatorics*
- Teaching Assistant of Algebraic classes at University of Science Spring 2022  
*Did weekly recitation sessions for 120 undergraduate students.*
- Organizer of the Character Theory Seminar Spring 2021  
*Organized and delivered lectures at the weekly seminar*

## COURSES & SCHOOLS

- Minicourse: Synergies of probabilistic and extremal combinatorics. August 5–9, 2024  
*by VIASM, Hanoi, Vietnam.*
- Workshop The 11th Japan-Vietnam Joint seminar March 28–30, 2023  
on Commutative Algebra,  
*by IMH, Hanoi, Vietnam.*
- Workshop on Ring Theory and Combinatorics, July 24–29, 2022  
*by IMH, Thanh Hoa province, Vietnam.*
- SEAMS School "Arithmetic, Geometry and Model Theory", February 17–28, 2020
- The International School "Introduction to November 11–22, 2019  
Algebraic Schemes and Cohomology", by IMH.

## AWARDS & HONORS

- Vingroup Master's Scholarship 2022, 2023
- Odon Vallet Scholarship 2017, 2018, 2022
- VNUHCM Prize for The Highly Qualified Papers 2022
- VNUHCM Prize for Mathematical and Artificial Intelligence Talent 2022
- VIASM Scholarship for Prominent Undergraduates in Mathematics 2019, 2021
- Le Van Thiem Prize for Mathematically Gifted Students 2019
- Bronze medal, International Mathematical Olympiad 2018  
*Cluj-Napoca City, Romania.*

## CERTIFICATES

- GRE Mathematics Test: 94%.
- English: IELTS 7.0 (C1).