CURRICULUM VITAE
(May 2020)

Dinh-Thi NGUYEN
Born on 8^{th} July 1992, Vietnam
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Ludwig–Maximilans–Universität, Mathematisches Institut
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Education

May 2017 –	PhD. in Mathematics, Ludwig–Maximilans–Universität München, Mathematisches Institut, Germany
Advisor	Prof. Phan Thành Nam
Thesis	Blow-Up Analysis for Focusing Many-Body Quantum Systems
2014 – 2016	MSc. in Fundamental and Applied Mathematics, Université de Nantes, Laboratoire de Mathématiques Jean Leray, France
Advisor	Prof. Erwan Y. Le Gruyer
Thesis	Prolongement d'un champ complexe d'ordre 1 à valeurs dans $\mathbb{C}$
2010 – 2014	BSc. in Mathematics and Computer Sciences, Vietnam National University at Ho Chi Minh City, Faculty of Mathematics and Computer Science, Vietnam
Advisor	Prof. Duong Minh Duc
Thesis	Non-uniformly superlinear problems without the Ambrosetti–Rabinowitz condition

Mathematical Interests

Analysis and Mathematical Physics: Many-Body Quantum Mechanics, Functional Inequalities, Calculus of Variations and Partial Differential Equations

Honors and Scholarship Received

2014 – 2016	Lebesgue Master Scholarship, France
2012 – 2014	Scholarship from Vietnam Institute for Advanced Study in Mathematics
2010 – 2014	Full Scholarship for excellent students from Vietnam National University
2010	Odon Vallet Scholarship, Vietnam
2010	Second Prize of Vietnam Mathematical Olympiad (high school)

Publications and Preprints

- *Blow-up Profile of 2D Focusing Mixture Bose Gases*, Zeitschrift für Angewandte Mathematik und Physik, 71(3), p. 81 (2020)
- *Blow-up Profile of Neutron Stars in the Hartree–Fock–Bogoliubov Theory*, Calculus of Variations and Partial Differential Equations, 58(6), p. 202 (2019)
- *Many-Body Blow-up Profile of Boson Stars with External Potentials*, Review in Mathematical Physics, 31(10), p. 1950034 (2019)

- *Blow-up Profile of Neutron Stars in the Chandrasekhar Theory*, Journal of Mathematical Physics, 60(7), p. 071508 (2019)
- *On Blow-up Profile of Ground States of Boson Stars with External Potential*, Journal of Statistical Physics, 169(2), pp. 395–422 (2017)

Teaching Experience

Winter 2019	Teaching Assistant: Mathematical Quantum Mechanics I, LMU Munich
Winter 2018	Teaching Assistant: Mathematical Quantum Mechanics I, LMU Munich
Summer 2018	Teaching Assistant: Mathematical Quantum Mechanics II, LMU Munich
Winter 2017	Teaching Assistant: Functional Analysis II, LMU Munich
Summer 2017	Teaching Assistant: Complex Analysis, LMU Munich

Workshops and Conferences attended

- Conference "The Analysis of Complex Quantum Systems: Large Coulomb Systems and Related Matters", CIRM, Marseille, October 2019
- Conference "QMath14: Mathematical Results in Quantum Physics", Aarhus University, August 2019
- Research School "From Quantum to Classical", CIRM, Marseille, April 2019
- Conference "Spectral Methods in Mathematical Physics", Mittag–Leffler Institute, Stockholm, February – March 2019
- Gran Sasso Quantum Meetings "From many particle systems to quantum fluids", Gran Sasso Science Institute, L'Aquila, November 2018
- XIX International Congress on Mathematical Physics, Montréal, Canada, July 2018
- Second School and Workshop "Mathematical Challenges in Quantum Mechanics", Sapienza Università di Roma, February 2018
- Summer School "Current Topics in Mathematic Physics", Universität Zürich, July 2017
- Master Class "Exotic Phases of Matter", Københavns Universitet, May 2017
- Summer School "Mathematics for Students", Vietnam Academy of Science and Technology, July 2012

Languages

English, French, Vietnamese

Referees

Prof. Phan Thành Nam (PhD Advisor)
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