Tuan N. Pham

CONTACT
INFORMATION

School of Mathematics,
University of Minnesota - Twin Cities.
Vincent Hall, Office 504,
206 Church Street, Minneapolis, MN 55455.
phamx352@umn.edu
`www.math.umn.edu/~phamx352`

RESEARCH
INTERESTS

Partial Differential Equations, Analysis.

EDUCATION

Ph.D Candidate, Mathematics
University of Minnesota - Twin Cities, Minneapolis, MN, expected May 2018,
Advisor: Vladimir Sverak.

M.Sc. Applied Mathematics
University of Orleans, Orléans, France, July 2012,
Thesis: *Matched asymptotic analysis of a phase-field model for alloy solidification.*

B.Sc. Mathematics and Computer Science
University of Science, Ho Chi Minh City, Vietnam, October 2010,
Thesis: *Topological degree on class $(S)_+$ and applications to the p-Laplace problems.*

EMPLOYMENT

Graduate Research / Teaching Assistant
School of Mathematics, University of Minnesota - Twin Cities, Minneapolis,
MN, September 2012 - May 2018.

TALKS

Minimal blowup data for potential Navier-Stokes singularities in the half space
University of Minnesota, School of Mathematics, PDE Seminar, Octorber
2017.

The Navier-Stokes equations with $\dot{H}^{1/2}(\mathbb{R}^3)$-initial data
University of Minnesota, School of Mathematics, Student PDE Seminar, February 2016.

CONFERENCES ATTENDED	*Mathematical Conference "Summer Meeting"*, University of Science, Ho Chi Minh City, Vietnam, August 2017.

Rivière-Fabes Symposium on Analysis and PDE,
University of Minnesota - Twin Cities, April 2014, 2017.

Calculus of Variations and Nonlinear Partial Differential Equations,
University of Texas - Austin, May 2015.

Flow, Geometric Motion, Deformation and Mass Transport in Physiological Processes,
Institute for Mathematics and its Application (IMA), PI Summer Grad Program, July 2013.

TEACHING EXPERIENCE

At the University of Minnesota - Twin Cities:

- Fall 2017,
  - Teaching Assistant for MATH 2374 - CSE Multivariable Calculus and Vector Analysis,
  - Grader for MATH 8385 - Theory of Partial Differential Equations.
- Spring 2017,
  - Teaching Assistant for MATH 2373 - CSE Linear Algebra and Differential Equations,
  - Grader for MATH 5445 - Mathematical Analysis of Biological Networks.
- Fall 2016,
  - Teaching Assistant for MATH 1271 - Calculus I,
  - Grader for MATH 5335 - Geometry I.
- Fall 2015, Teaching Assistant for MATH 2243 - Linear Algebra and Differential Equations.
- Spring 2013, Teaching Assistant for MATH 1372 - CSE Calculus II.
- Fall 2012, Teaching Assistant for MATH 1151 - Pre-Calculus II.

At the University of Science, Ho Chi Minh City, Vietnam:

- Fall 2011,
  - Teaching Assistant for TTH 021 - Basics of Calculus I,
  - Teaching Assistant for TTH 022 - Calculus I: Derivatives and Integrals.

OTHER
SKILLS

Languages
Vietnamese (native), English (fluent), French (basic: reading, writing).

Computer Programming
C, C++, MATLAB, Maple, Mathematica.