

CURRICULUM VITAE

Luc Le Nguyen
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Research interest Partial differential equations, differential geometry and general relativity

Education

2004-present Graduate School at Rutgers University - New Brunswick
Thesis Advisor: YanYan Li

1998-2002 Bachelor of Science in Mathematics and Computer Sciences from Vietnam National University at Ho Chi Minh City, Vietnam

Publications

2008 L. Nguyen, *On the regularity of singular harmonic maps and axisymmetric stationary electrovac space-times*, preprint.

2008 Y.Y. Li and L. Nguyen, *On a fully nonlinear version of the Yamabe problem on manifolds with boundary*, work in progress.

2004 Dang D. Trong, Nguyen L. Luc, Le Q. Nam, Truong T. Tuyen, *Reconstruction of H^p -functions: best approximation, regularization, and optimal error estimates*, Complex Var. Theory Appl., 49 (2004), No. 4, 285–301; MR2059970.

2003 Duong M. Duc, Nguyen L. Luc, Le Q. Nam, Truong T. Tuyen, *On topological degree for operators of class $(S)_+$* , Nonlinear Anal., 55 (2003), No. 7-8, 951–968; MR2017237.

Awards received

2008-2009 University and Louis Bevier Dissertation Fellowship, Rutgers University.

2004-present Vietnam Education Foundation Fellowship.

2008 Partial financial support to attend *Indam School on Symmetry for Elliptic PDEs*, Istituto Nazionale di Alta Matematica, Rome La Sapienza, Italy.

2008 Partial financial support to attend *Topics in PDE's and Applications 2008*, CRM, Universitat Autònoma de Barcelona, Spain.

2007 Vietnam Education Foundation Conference Grant.

2007 Partial financial support to attend *The 3rd Symposium on Analysis and PDEs*, Purdue.

2005 Financial support to attend *Introductory Workshop in Nonlinear Elliptic Equations and Its Application*, MSRI, Berkeley.

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Talks given/invited

Conferences

December 2007

Partial regularity for axisymmetric electrovac spacetimes via elliptic system techniques, Southeast Geometry Seminar XII, University of Alabama - Birmingham.

Seminars

May 2009

University of Roma Tor Vergata, Italy.

October 2008

Regularity for singular harmonic maps into hyperbolic spaces, Nonlinear Analysis and PDE Seminar, Rutgers.

February 2008

Singular harmonic maps into hyperbolic spaces, Differential Geometry and Geometric Analysis Seminar, Princeton.

Graduate Student Seminars

April 2007

The obstacle problem, Graduate Student Seminar on PDEs, Rutgers.

April 2006

Teichmüller space, Graduate Student Seminar on Topology and Geometry, Rutgers.

February 2006

A theorem of Morrey on minimizers of quadratic functionals, Graduate Student Seminar on PDEs, Rutgers.

March 2005

Best approximation on a complex domain, Pizza Seminar, Rutgers.

Conferences and workshops attended/will be attended

May 2009

Indam School on Symmetry for Elliptic PDEs, Istituto Nazionale di Alta Matematica, Rome La Sapienza.

May 2008

Topics in PDE's and applications 2008, CRM, Universitat Autònoma de Barcelona, Spain.

May 2007

The 3rd Symposium on Analysis and PDEs, Purdue.

October 2005

A Conference in Honor of Peter Lax and Louis Nirenberg on the Occasion of Their 80th Birthday, Courant Institute, NYU.

August 2005

Introductory Workshop in Nonlinear Elliptic Equations and Its Application, MSRI, Berkeley.

April 2005

A Conference in Honor of François Trèves on the Occasion of His 75th Birthday, Rutgers.

Teaching experience

Fall 2006

Precalculus

Spring 2006

Calculus I (for mathematics, physics, computer science, statistics, chemistry, or engineering majors)

Fall 2007

Calculus I (for mathematics, physics, computer science, statistics, chemistry, or engineering majors)

Spring 2008

Calculus I (for liberal art majors)

Professional Membership

AMS, SIAM