



Quốc Anh Ngô

Curriculum Vitae

Department of Mathematics, College of Science,
Vietnam National University at Hanoi, Hanoi, Vietnam

Department of Mathematics, National University of Singapore
2 Science Drive 2, Singapore 117543

Education

- 2001–2005 **Undergraduate**, *Vietnam National University at Hanoi*, Hanoi.
- 2005–2007 **Master**, *Vietnam National University at Hanoi*, Hanoi.
- 2008– **Ph.D.**, *National University of Singapore*, Singapore.

Undergraduate thesis

- title *On a Dirichlet problem to the semilinear elliptic system involving Laplacian operator on the bounded domain* (in Vietnamese only)
- advisor Professor Hoang Quoc Toan
- description June 2005

Master thesis

- title *On the solvability of a class of nonlinear elliptic systems* (in Vietnamese only)
- advisor Professor Hoang Quoc Toan
- description December 2007

Ph.D. thesis

- supervisor Professor Xu Xingwang

Experience

Vocational

- 2005– **Associate instructor**.
Associate instructor for Advanced Calculus and PDEs

Conferences and Seminars

- December 2005 **Listener**, *Hanoi*.
Workshop on Integral-Differential Equations and Applications
- February 2007 **Speaker**, *Hatay*.
Workshop on Analysis, Differential Eqns., and Dynamical System

Languages

Vietnamese **native tongue**
English **fluent**

Computer skills

Programming Turbo Pascal
Borland Delphi
Demonstration Maple
Matlab
Mathematica

Interests

- Theory of inequalities
- Numerical analysis, finite volume method, finite element method
- Nonlinear functional analysis
- Nonlinear analysis
- Calculus of variations
- Nonlinear partial differential equations
- Riemannian geometry and geometric analysis

Publications

2005

- 1 [An application of the Lyapunov-Schmidt method to semilinear elliptic problems](#), *Electron. J. Diff. Eqns.* Vol. **2005**(2005), No. 129, pp. 1–11.

2006

- 2 Q.A. NGÔ, D.D. THANG, T.T. DAT, D.A. TUAN, [Notes on an Integral Inequality](#), *JIPAM. J. Inequal. Pure Appl. Math.* **7** (2006), Art. ID 120, 5 pp.

2007

- 3 Q.A. NGÔ, P.H. TUNG, [Notes on an open problem of F. Qi and Y. Chen and J. Kimball](#), *JIPAM. J. Inequal. Pure Appl. Math.* **8** (2007), Art. ID 41, 4 pp.

2008

- 4 W.J. LIU, Q.A. NGÔ, [A generalization of Ostrowski inequality on time scales for \$k\$ points](#), *Appl. Math. Comput.* **203** (2) (2008), pp. 754–760.
- 5 Q.A. NGÔ, F. QI, N.V. THU, [New Generalizations of an Integral Inequality](#), *Real Anal. Exchange* **33** (2) (2008), pp. 471–474.
- 6 Q.-A. NGÔ, H.Q. TOAN, [Existence of solutions for a resonant problem under Landesman-Lazer conditions](#), *Electron. J. Diff. Eqns.* Vol. **2008**(2008), No. 98, pp. 1–10.
- 7 L. CARDOULIS, Q.A. NGÔ, H.Q. TOAN, [Existence of non-negative solutions for cooperative elliptic systems involving Schrödinger operators in the whole space](#), *Rostock. Math. Kolloq.* **63** (2008), pp. 63–77.
- 8 W.J. LIU, Q.A. NGÔ, W.B. CHEN, [A perturbed Ostrowski type inequality on time scales for \$k\$ points for functions whose second derivatives are bounded](#), *J. Inequal. Appl.* **2008**, Art. ID 597241, 12 pp.

2009

- 9 H.Q. TOAN, Q.A. NGÔ, [Multiplicity of weak solutions for a class of nonuniformly elliptic equations of \$p\$ -Laplacian type](#), *Nonlinear Anal.* **70** (2009), pp. 1536–1546.
- 10 Q.A. NGÔ, W.J. LIU, [A sharp Grüss type inequality on time scales and application to the sharp Ostrowski-Grüss inequality](#), *Commun. Math. Anal.* **6** (2009), pp. 33–41.
- 11 Q.A. NGÔ, [Existence results for a class of non-uniformly elliptic equations of \$p\$ -Laplacian type](#), *Anal. Appl. (Singap.)* **7** (2009), pp. 185–197.
- 12 Q.A. NGÔ, H.Q. TOAN, [Some remarks on a class of nonuniformly elliptic equations of \$p\$ -Laplacian type](#), *Acta Appl. Math.* **106** (2009), pp. 229–239.
- 13 Q.A. NGÔ, [Some mean value theorems for integrals on time scales](#), *Appl. Math. Comput.* **213** (2009), pp. 322–328.
- 14 V.N. HUY, Q.A. NGÔ, [New Inequalities of Ostrowski-like type involving \$n\$ knots and the \$L^p\$ -norm of the \$m\$ -th derivative](#), *Appl. Math. Lett.* **22** (2009), pp. 1345–1350.
- 15 W.J. LIU, Q.A. NGÔ, V.N. HUY, [Several interesting integral inequalities](#), *J. Math. Inequal.* **3** (2009), pp. 201–212.
- 16 H.Q. TOAN, Q.A. NGÔ, [Existence of positive solution for system of quasilinear elliptic systems on a bounded domain](#), *World J. Model. Simul.* **5** (2009), pp. 211–215.
- 17 N.T. CHUNG, Q.A. NGÔ, [A multiplicity result for a class of equations of \$p\$ -Laplacian type with sign-changing nonlinearities](#), *Glasgow Math. J.* **51** (2009), pp. 513–524.
- 18 W.J. LIU, Q.A. NGÔ, [An Ostrowski-Grüss type inequality on time scales](#), *Comput. Math. Appl.* **58** (2009), pp. 1207–1210.
- 19 W.J. LIU, Q.A. NGÔ, [An Ostrowski type inequality on time scales for functions whose second derivatives are bounded](#), to appear in *Inequality Theory and Applications* Vol. **6**, 2009.
- 20 Q.A. NGÔ, F. QI, V.N. HUY, [Generalizations of an integral inequality](#), to appear in *Educația Matematică*, 2009.
- 21 W.J. LIU, Q.A. NGÔ, W.B. CHEN, [An Ostrowski type inequality on time scales for double integrals](#), *Acta Appl. Math.* (2009), DOI: 10.1007/s10440-009-9456-y.
- 22 W.J. LIU, Q.A. NGÔ, W.B. CHEN, [On new Ostrowski type inequalities for double integrals on time scales](#), to appear in *Dynam. Systems Appl.*, 2009.
- 23 N.T. CHUNG, Q.A. NGÔ, [Multiple solutions for a class of quasilinear elliptic equations of \$p\(x\)\$ -Laplacian type with nonlinear boundary conditions](#), to appear in *Proc. Roy. Soc. Edinburgh Sect. A*, 2009.

Awards and Fellowships

- 2002 1st Prize of Analysis at National Mathematical Students Olympiad OLP'2002
- 2003 4th Prize of Algebra at National Mathematical Students Olympiad OLP'2003
- 2005 2nd Prize in Student Research Award, VNU
College of Science, Vietnam National University at Hanoi
- 2008 Research Scholarship
National University of Singapore
- 2009 Outstanding Research Award 2008
Vietnam National University

Professional Memberships

- 2005– Vietnamese Mathematical Society
- 2005– Research Group of Mathematical Inequalities and Applications

Referees

- JIPAM [Journal of Inequalities in Pure and Applied Mathematics](#)
- JAMC [Journal of Applied Mathematics and Computing](#)
- CAM [Journal of Computational and Applied Mathematics](#)
- JKSMEB [Journal of the Korea Society of Mathematical Education Series B: the Pure and Applied Mathematics](#)
- ICNAAM [International Conference of Numerical Analysis and Applied Mathematics](#)
- IJM/BAMS [Indian Journal of Mathematics/Bulletion of the Allahabad Mathematical Society](#)
- ACAP [Acta Applicandae Mathematicae](#)