Ngoc Do Quyen DANG

Personal Information

Nationality: Vietnamese

Personal page: quyendang2001.github.io

Education

***PhD in Mathematical Engineering*, Centrale Supélec - Université Paris-Saclay, France** *2024 - 2027*
Acceleration of Newton-like methods for nonlinear algebraic systems by preflattening techniques
In collaboration with *Institut Français du Pétrole et des Énergies Nouvelles*

***Master in Applied Mathematics*, Université de Tours, France** *2023 - 2024*
Mention Très Bien

***Honours Bachelor of Mathematics*, Ho Chi Minh University of Education, Vietnam** *2019 - 2023*
Graduated at rank 3rd/150

Publication

D. N. D. Quyen, Convergence and convergence rates of damped Newton methods. HCMUE Journal of Science. ISSN: 2734-9918, DOI: 10.54607

Research Experience

***Research Engineer*, IFPEN, France** *2024 - 2027*
R&D in collaboration with Centrale Supélec

***Research Internship (Master thesis)*, LMPT, Universite de Tours, France** *4 months*
Probabilistically predict population behaviors of Galton-Watson processes in varying environments

***Research Internship (Undergraduate thesis)*, Ho Chi Minh University of Education, Vietnam** *4 months*
Analyze the performance of the damped Newton method for solving C^2-optimization problems

***Research Scholar*, Ho Chi Minh University of Education, Vietnam** *3 months*
Explore the performance of damped Newton algorithms for unconstrained optimization problems

Honors and Awards (from 2019)

Second Prize in Scientific Research Contest, Ho Chi Minh City University of Education, Vietnam

Outstanding Female Students award, Ho Chi Minh University of Education, Vietnam

Outstanding Academic Activities award, Ho Chi Minh University of Education, Vietnam

Outstanding Member of Youth Union award, Ho Chi Minh University of Education, Vietnam

Excellence Scholarship award, Ho Chi Minh University of Education, Vietnam

Highest Score in graduation ceremony, Ly Tu Trong High School, Vietnam

Computer Skills

Programming languages	Julia (1 years), Python (2 years), MATLAB (2 years)
Frameworks	JuMP, PyTorch, TensorFlow

References (from 2023)

Prof. Quang Huy Tran (quang-huy.tran@ifpen.fr)
PhD Corporate Research with IFPEN and Université Paris-Saclay, Paris, France

Prof. Marc Peigné (peigne@lmpt.univ-tours.fr)
Professor in the University of Tours, Tours, France