Pierrick Le Vourc'h

PhD student

16 allée Pierre de Coubertin
69007 Lyon, France
 (+33) 0676783927
✉ pierrick.le-vourc-h@umontpellier.fr
 www.pierrick-levourch.fr
 github.com/Elvipy

Experience

2023-2026 **PhD student** *IMAG, Université de Montpellier, France.*

Thesis untitled *Derivation and analysis of compressible multiphase flow models*, supervised by N. Seguin and K. Saleh.

Education

2022-2023 **MSc: Advances Mathematics, PDE major** *ENS de Lyon, France*

2021-2022 **MSc: Agrégation de mathématiques** *ENS de Lyon, France*

French teaching competitive exam. Option: Scientific computations. Ranked 61.

2020-2021 **Master 1: Advanced Mathematics** *ENS de Lyon, France*

2019-2020 **BSc: Fundamental Mathematics** *ENS de Lyon, France*

2016-2019 **Preparatory class: CPGE MPSI-MP***, *Lycée La Pérouse-Kerichen, Brest, France*

French prparatory program to prepare the competitive exams for engineering and top scientific studies. Option: computer sciences.

Publications

Talks and presentations

Feb 2024 **PhD Student Seminar of the ICJ and UMPA** *Lyon, France*

Talk untitled "Averaged models for compressible multiphase flows".

Jan 2024 **Integration Days of the Institut Camille Jordan** *Lyon, France*

Presentation of a poster untitled "Derivation and analysis of compressible multiphase flow models"

Teaching experience

2023-2024 **Seminar teacher** *Université Claude Bernard Lyon 1, France*

Supervision of 64h of mathematics seminar for college freshmen.

2022-2023 **Supervision of oral evaluations in preparatory classes** *Lycée du Parc, Lyon, France*

Internships

Apr 2023 to Jul 2023	**Institut Camille Jordan** *Lyon, France* *Derivation of a bifluid stratified compressible flow model*, supervised by Khaled Saleh.
May 2021 to Jul 2021	**ICMAT** *Madrid, Spain* *Analytical and Numerical Approach to the Dirichlet Problem for Laplace's Equation*, supervised par José María Martell.
Jun 2020 to Jul 2020	**CEREMADE** *Paris, France* *Introduction to control theory*, supervised by Pierre Lissy.

Skills

Computer skills

Python Intermediate knowledge

LaTeX Extensive knowledge

Office suite Advanced knowledge

Languages

French Mother tongue

Breton Mother tongue

English Level C2 (Cambridge English Advanced, 205 points)

Spanish Intermediate knowledge