Eloi MARTINET

Current situation

2024 - **Post-doc in Variational methods in Machine Learning**, *JMU*, Würzburg, Germany.

Publications and preprints

2023 **Numerical optimization of Neumann eigenvalues on the sphere**, Preprint.

2023 **Maximization of Neumann Eigenvalues**, *with Dorin Bucur and Edouard Oudet*, Archive for Rational Mechanics and Analysis 247(2).

2022 **Sharp inequalities for Neumann eigenvalues on the sphere**, *with Dorin Bucur and Mickael Nahon*, Preprint.

Conferences and seminars

2024 **Partial Differential Equations seminar**, *IECL*, Nancy.

2023 **POEMS seminar**, *ENSTA*, Paris.

2023 **Calculus of Variations and Applications**, *Univesité Paris Cité*, Paris.

2023 **Partial Differential Equations seminar**, *IRMA*, Strasbourg.

2023 **Shape Optimization, Geometric Inequalities and Related Topics**, *Dip. Mat. Appl.*, Naples.

2021 **Meeting of the ANR SHAPO**, *Autrans*.

2019 **EDPs2 discussion group**, *USMB*, Chambery.

Internships

March-July 2019 **Intership in shape optimization**, *LAMA/LJK*, Chambery/Grenoble.

May-July 2018 **Intership in machine learning and image processing**, *GIPSA-Lab*, Grenoble.

Teaching experience

2022-2023 **Tutoring of practical sessions**, *ENSIMAG*, Grenoble.

2021-2022 **Tutoring of practical sessions and courses**, *UGA*, Grenoble.

2019-2020 **Tutoring of practical sessions**, *USMB*, Chambery.

Education

2020-2021 **Master's degree "Préparation à l'agrégation"**, *UGA*, Grenoble, Ranked 88.

2019-2020 **First year of PhD in shape optimization**, *LAMA*, Chambery, Under the supervision of D. BUCUR and E. OUDET.

2016-2019 **Master's degree in computer science and applied mathematics**, *ENSIMAG*, Grenoble. Double Engineer/Master degree programme.

2013–2016 **Classes préparatoires MP***, *Lycée Carnot*, Dijon. Post secondary academic course specialised in mathematics and physics.