

Eloi MARTINET

Current situation

2019-2023 **Third year of PhD in shape Optimization**, *LAMA*, Chambéry.

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

- 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*, Chambéry.

Internships

- March-July 2019 **Internship in shape optimization**, *LAMA/LJK*, Chambéry/Grenoble.
- May-July 2018 **Internship in machine learning and image processing**, *GIPSA-Lab*, Grenoble.

Teaching experience

- Current **Tutoring of practical sessions**, *ENSIMAG*, Grenoble.
- 2021-2022 **Tutoring of practical sessions and courses**, *UGA*, Grenoble.
- 2019-2020 **Tutoring of practical sessions**, *USMB*, Chambéry.
- March-July 2019 **MSc internship in shape optimization**, *LAMA*, Chambéry.

Education

- 2020-2021 **Master's degree "Préparation à l'agrégation"**, *UGA*, Grenoble, Ranked 88.
- 2019-2020 **First year of PhD in shape optimization**, *LAMA*, Chambéry, 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.