

Victor Fournet

Curriculum Vitæ

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✉ <https://victorfournet.github.io>
Born 16/10/1997

Education

- 2021-2024 **PhD student in mathematics**, *Mathematical modeling and advanced numerical methods for fluid-particles interaction*, Under the supervision of Christophe Buet and Bruno Després, Laboratoire Jacques Louis Lions
- 2020-2021 **Master 2 in mathematics**, *Sorbonne Université*, Paris, France
Mathematics of modelisation
- 2019-2020 **Master "Préparation à l'agregation"**, *Sorbonne Université*, Paris, France
- 2018-2019 **Master 1 in mathematics**, *Sorbonne Université*, Paris, France
- 2015-2018 **Bachelor in mathematics**, Sorbonne Université, Paris
- 2015-2018 **Bachelor in physics**, Sorbonne Université, Paris

Internship

- January 2018-April 2018 **Internship under the supervision of Didier Smets**, *Laboratoire Jacques Louis Lions (LJLL)*, Sorbonne Université, Paris
2018 *Eikonal equation and application for shape from shading*
- January 2019-June 2019 **Internship under the supervision of Vincent Humilière**, *Institut Paris Rive Gauche*, Sorbonne Université, Paris
2019 *The h-principle*
- April 2021-September 2021 **Internship under the supervision of Christophe Buet and Stéphane Del Pino**, *Commissariat à l'énergie atomique et aux énergies alternatives (CEA)*
2021 Sujet : *Construction, analysis and implementation of nodal finite volume scheme for the P_N model*

Publications and preprint

Christophe Buet, Bruno Després, and Victor Fournet. Analog of Linear Landau Damping in a coupled Vlasov-Euler system for thick sprays. working paper or preprint, October 2023.

Victor Fournet, Christophe Buet, and Bruno Després. Local-in-time existence of strong solutions to an averaged thick sprays model. *Kinetic and Related Models*, 0(0):0–0, 2023.

Talks and poster

- November 2023 **PhD student's seminar**, Sorbonne Université, Paris
Talk
- November 2023 **Numkin**, Garching, Germany
Talk

September 2023 **Conference for young research in Mathematics and Applications**, Gif-sur-Yvette, France
Talk

May 2023 **SMAI congress**, Point à Pitre, Guadeloupe
Talk

December 2022 **Kinetic and hyperbolic equations: modeling, analysis and numerics**, Toulouse, France
Talk

June 2022 **CANUM**, Evian les bains, France
Poster