Curriculum Vitae
Ivan Novikov
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Education

- 2021–...: PhD in Mathematics, Université Paris-Dauphine.
- 2020–2021: M.Sc. in Optimization, Université Paris-Saclay.
- 2016–2020: B.Sc. in Mathematics, National Research University Higher School of Economics (Moscow).

Positions

- 2024–2025: Half-time Temporary Teaching and Research Assistant (Demi-ATER), CERE-MADE, Université Paris-Dauphine.

Publications

- *Zero-Sum State-Blind Stochastic Games with Vanishing Stage Duration.* Dyn Games Appl (2024). `https://doi.org/10.1007/s13235-024-00599-y`.
- *Percolation of three fluids on a honeycomb lattice*, Monatsh Math 199, 611-626 (2022). `https://doi.org/10.1007/s00605-022-01753-7`;
- *Feynman checkers: the probability to find an electron vanishes nowhere inside the light cone*, Reviews Math Physics 34:07, 2250020 (2022). `https://doi.org/10.1142/S0129055X22500209`;
- *Cutting Polygons Composed of Equal Rectangles into Similar Rectangles.* Math Notes 110, 726–731 (2021). `https://doi.org/10.1134/S0001434621110092`.

Preprints, submitted, or work in progress

- *Asymptotic Value in Zero-Sum Stochastic Games with Vanishing Stage Duration and Public Signals.* Preprint. `https://arxiv.org/abs/2403.07467`.

Conference Talks

- Workshop "Dynamic Games" (Fréjus, France), 26/05/2024 – 28/05/2024, 45 minute presentation;
- Journées SMAI MODE 2024 (Lyon, France), 27/03/2024 – 29/03/2024, 30 minute presentation;
- Journées annuelles 2023 du GdR MOA (Perpignan, France), 18/10/2023 – 20/10/2023, 30 minute presentation;
- The 2023 Alpine Game Theory Symposium (Grenoble, France), 26/06/2023 – 30/06/2023, lightning talk + poster presentation.

Seminar Talks

- Young Researchers Seminar Days, Saint-Pierre-Canivet, France, 11/06/2024;
- Junior Game Theory Seminar, Institut Henri Poincaré, Paris, 11/03/2024;
- Combinatorial and number-theoretic problems on lattices, Higher School of Economics, Moscow (participated online), 16/02/2023;
- I.Kh. Sabitov's Seminar, Moscow State University, Moscow, 25/10/2019.

Scholarships, awards

- 2020-2021: Sophie Germain Master's Scholarship (FMJH).

Teaching

- (In the future) Spring 2025 : (3rd year of Bachelor program) Differential calculus and numerical optimization (teaching assistant, 41h, in French).
- Fall 2024 : (2nd year of Bachelor program) Linear algebra 3 (teaching assistant, 51h, in French).
- Fall 2023: (3rd year of Bachelor program) Differential calculus and optimization (teaching assistant, 44h, in French).

Skills

Computer skills: C++, Python, Wolfram Mathematica, Matlab;
Language skills: English (fluent), French (fluent), Russian (mother tongue).