

Ekaterina Kochetkova

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EDUCATION

École Polytechnique Fédérale de Lausanne

Sep. 2023 – Present

Ph.D. in Theoretical Computer Science

Saint Petersburg State University

Sep. 2019 – July 2023

Bachelor of Mathematics, GPA: 4.88/5.0

RESEARCH EXPERIENCE

Academical Research at SPSU

Advised by Prof. Fedor Petrov

February 2021 - July 2023

- Laureate of the Contest of Term Papers of the Department of Mathematics of MCS:
On the Sum of a Set and Its Two Projections

Undergraduate Summer Research, EPFL

Lausanne, Switzerland

Advised by Prof. Michael Kapralov

Summer 2022

- Research on new algorithms for online stochastic bipartite matching in a form motivated by display ad allocation on the Internet

Undergraduate Summer Research, EPFL

Lausanne, Switzerland

Advised by Prof. Michael Kapralov

Summer 2021

- Research on new algorithms computing an approximate bipartite maximum cardinality matching in the semi-streaming model

PUBLICATIONS

Spectral Clustering with Side Information

*H. Fichtenberger, M. Kapralov, E. Kochetkova, S. Lattanzi, D. Mazzali, W. Wrzós-Kaminska, **SODA 2026***

Spectral clustering in birthday paradox time

*M. Kapralov, E. Kochetkova and W. Wrzós-Kaminska, **SODA 2026***

Streaming Attention Approximation via Discrepancy Theory

*E. Kochetkova, K. Sheth, I. Han, A. Zandieh, M. Kapralov, **NeurIPS 2025 (Spotlight Paper)***

A new Andrews–Crandall-type identity and the number of integer solutions to $x^2 + 2y^2 + 2z^2 = n$

*M. Dospelova, E. Kochetkova, E. T. Mortenson, **Ramanujan Journal 63 (2024), no. 4, 969-994***

PRIZES AND AWARDS

Advanced State Academic Scholarship

2022 - 2023

“Rodnye Goroda” scholarship for the best students in mathematics

2019 - 2023

Russian National Mathematical Olympiad

2018, 2019

Prizewinner

European Girls’ Mathematical Olympiad

2019

Gold Medal

Chinese Girls’ Mathematical Olympiad

2018

Silver Medal