

Aleksandra Utiralova

CONTACT INFORMATION

UC Berkeley
Department of Mathematics
943 Evans Hall,
Berkeley, CA 94720 USA

utiralova.a@berkeley.edu
utiralova.a@gmail.com

RESEARCH INTERESTS

Representation Theory, Category Theory
In particular: Tensor categories, Deligne categories, Categorical actions

EDUCATION

Massachusetts Institute of Technology
PhD Candidate, Mathematics

Sep' 17 - May 22

- Dissertation Topic: “Harish-Chandra bimodules in Deligne categories”
- Advisor: Pavel Etingof

Higher School of Economics, Moscow
B.S. in Mathematics

Sep' 13 - Jun' 17

- Diploma Topic: “Olshanski’s Centralizer Construction and Deligne Tensor Categories”
 - Advisor: Leonid Rybnikov
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PUBLICATIONS

Aleksandra Utiralova, “Olshanski’s Centralizer Construction and Deligne Tensor Categories”,
arXiv:1901.08370

Aleksandra Utiralova, “Harish-Chandra bimodules in the Deligne category $\text{Rep}(GL_t)$ ”,
Transformation Groups (2022)
<https://doi.org/10.1007/s00031-021-09689-2>

Aleksandra Utiralova, “Harish-Chandra bimodules of finite K-type in the Deligne categories”,
Appendix joint with Serina Hu,
arXiv:2107.03173 (submitted to International Mathematics Research Notices)

PAST TALKS

Harish-Chandra bimodules in complex rank,
Representation Theory Seminar, University of Bonn

Harish-Chandra bimodules in complex rank,
Algebra Seminar, University of Oregon

Harish-Chandra bimodules in complex rank,
Representation Theory Seminar, UC Riverside

Harish-Chandra bimodules in complex rank,
Algebra Seminar, University of Virginia

Harish-Chandra bimodules in complex rank,
Informal Friday Seminar, University of Sydney

Harish-Chandra bimodules in complex rank,
Representation Theory and Related Topics Seminar, Northeastern University

Harish-Chandra bimodules in complex rank,
Superalgebra Theory and Representations Seminar, Ben Gurion University

Harish-Chandra bimodules in complex rank,
Mathematical Physics seminar Perimeter Institute

Harish-Chandra bimodules in complex rank,
Quadratic forms, Linear algebraic groups and Beyond online seminar

Harish-Chandra bimodules in complex rank,
TAPIRS online seminar

Harish-Chandra bimodules in complex rank,
Algebra Seminar, Uppsala University

TEACHING EXPERIENCE	Spring	2018	Mentor in PRIMES program
	Fall	2018	Mentor in PRIMES program
	Spring	2020	Teaching Assistant, Differential Equations
	Spring	2022	Mentor in PRIMES program
	Summer	2022	Mentor in Yulia's Dream program
	Fall	2022	Lecturer, Introduction to Analysis

RELEVANT SKILLS	Languages: English, Russian
	I am currently in the process of learning Italian