

Shuaishuai Duan

Email: shduan@edu.hse.ru

Institution: Higher School of Economics, Moscow

Interests

Langlands Program, Algebraic Number Theory, Representation Theory, Arithmetic Geometry

Education

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|-------------------|---|
| 09/2021 – Present | Higher School of Economics – Moscow, Russia
Master in Mathematics (with full scholarship)
Faculty of Mathematics
Supervisor: Marat Rovinsky |
| 09/2020 – 07/2021 | University of Reading – Reading, UK
Bachelor in Mathematics
Department of Mathematics and Statistics
Supervisor: John Evens |
| 09/2017 – 07/2020 | Nanjing University of Information Science and Technology – Nanjing, China
Bachelor in Mathematics (Double degree program)
Reading Academy |

Term paper and graduation thesis

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| 2022 | Term paper: Representations of Totally Disconnected Locally Compact Groups |
| 2021 | Bachelor thesis: Representation Theory and Representations of $GL(2, \mathbb{F}_{p^n})$ |

Activities

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| 28/08/2022–02/09/2022 | Automorphic Forms Summer School (Erdős Center - Alfréd Rényi Institute of Mathematics)
Contents: Introduction to the p-adic Langlands Program, modular forms, sphere packing, and energy minimization, equidistribution in automorphic families, estimates for L -functions |
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- 01/2021- **Arizona Winter School (The Southwest Center for Arithmetic Geometry)**
05/2021 Contents: Modular forms, modular groups, quadratic forms, local-global principal
- 09/2020- **Frontier Courses for Postgraduates (Guangxi Center for Mathematical**
12/2020 **Research)**
Contents: Representation theory