

Curriculum Vitae

Márton Erdélyi

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Name: Márton Kristóf Erdélyi

Place and date of birth: Budapest, Hungary, 16.06.1987

Citizenship: Hungarian

Email: merdelyi@math.bme.hu

Positions

2018- Assistant professor at the department of Algebra
Budapest University of Technology and Economics

2014-2018 Young researcher at Alfréd Rényi Institute of Mathematics, Budapest

2009-2018 Teaching assistant at the department of Algebra and Number theory
Eötvös Loránd University, Budapest

Education:

2011-2015 Central European University, Budapest, Hungary

PhD in Mathematics and its Applications

Dissertation title: Computations and comparison of generalized Montréal functors

Supervisor: Gergely Zábrádi, assistant professor, ELTE, Hungary

2009-2011 Eötvös Loránd University (ELTE), Budapest, Hungary

MSc in Mathematics

Thesis title: Elliptikus görbék (Elliptic Curves) - in Hungarian

Supervisor: Árpád Tóth, associate professor, ELTE

2006-2009 Eötvös Loránd University (ELTE), Budapest, Hungary

BSc in Mathematics

Thesis title: Analitikus számelmélet véges függvénytesteken (Analytic Number Theory over Finite Function Fields) - in Hungarian

Supervisor: Árpád Tóth, associate professor, ELTE

1998-2006 Budapesti Fazekas Mihály Általános Iskola és Gimnázium, Budapest, Hungary

6 years in a class specialized in mathematics

Conferences, talks:

- Heilbronn Focused Research Workshop, Effective equidistribution in homogeneous dynamics, talk given at **University of Bristol**, Bristol, 23-27.05.2022,
- International Seminar on Automorphic Forms, talk given at the online seminar of **TU Darmstadt and ETH Zürich**, 25.01.2022,
- Building Bridges 4th Summer School and Workshop on Automorphic Forms and Related Topics, talk given at the **Alfréd Rényi Institute of Mathematics**, Budapest, 18.07.2018,

- Fiatal Kutató ülészak (Young Researcher's Mini-Conference), talk given at the **Alfréd Rényi Institute of Mathematics**, Budapest, 16.11.2015,
- Recent Developments in Algebraic and Arithmetic Geometry, Summer School 2014 of the IRTG "Moduli and Automorphic Forms", conference attended at the **Alfréd Rényi Institute of Mathematics**, Budapest, 25-30.08.2014,
- PhD Student Seminar, talk given at the **Central European University**, Budapest, 26.03.2014,
- Conférence de mi-parcours du programme ANR Théorie de Hodge p-adique et Développements, conference attended at the **Institut des Hautes Études Scientifiques**, Paris, 25-27.09.2013,
- Motivic Galois Groups, conference attended at the **Alfréd Rényi Institute of Mathematics**, Budapest, 02-06.09.2013.09,
- Galois Representations, Shimura Varieties, and Automorphic Forms Workshop, workshop attended at the **Fields Institute**, Toronto, 12-16.03.2012,
- I. Matematika BSc-s Szakdolgozati Konferencia (1st BSc in Mathematics Thesis Conference), talk given at the **ELTE**, Budapest, 04.11.2009.

Teaching experience:

- Lectured classes in Abstract Algebra and Algebraic Number Theory for Mathematics MSc students, at BUTE and CEU.
- Lectured classes in Group Theory, Linear Algebra and Number Theory for Mathematics BSc students at BUTE.
- Given example classes in Informatics (C++, LaTeX, Mathematica, MatLab and SageMath) for Mathematics BSc Students at BUTE.
- Lectured classes in Calculus, Linear Algebra (in introductory and advanced level) for Engineers BSc and MSc students at BUTE.
- Given example classes in Algebra, Analysis, Discrete Mathematics, Linear Algebra, Number Theory, Probability Theory and Statistics at ELTE for BSc Students in several different programmes.

Language skills:

Hungarian: native
 English: fluent
 Russian: advanced
 French, German: beginner