

CURRICULUM VITAE

Attila Maróti

(Current as of May, 2023)

Contact Information:

Alfréd Rényi Institute of Mathematics
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Citizenship, date of birth:

Hungarian, 12th May 1976

Employment History:

April, 2015 to present (Research fellow) at the Alfréd Rényi
Institute of Mathematics, Budapest, Hungary.
August, 2013 to March, 2015 Humboldt fellow at the Technische
Universität Kaiserslautern, Kaiserslautern, Germany.
May, 2013 to July, 2013 funded by the Lendület Cryptography
Research Group, Rényi Institute, Budapest, Hungary.
May, 2009 to May, 2013 Marie Curie International Reintegration
Grant, Rényi Institute, Budapest, Hungary.
July, 2008 to April, 2009 Young Research Fellow
Rényi Institute, Budapest, Hungary.
Summer 2008 Adjunct Research Assistant Professor
University of Southern California, USA.
Spring 2008 Postdoctoral Visitor
Mathematical Sciences Research Institute, Berkeley, USA.
Fall 2007 Research Assistant Professor
University of Southern California, USA.
2004 - 2007 Assistant Professor (NTT),
University of Southern California, USA.

Education:

2001–2004 graduate studies at the University of Birmingham
U.K. in the area of representation theory. Supervisor: G. R.
Robinson.
1999–2001 graduate studies at the University of Szeged,
Hungary in the area of group theory. Supervisor: L. Pyber,
Rényi Institute, Budapest.

1994–1999. undergraduate studies at the University of Szeged,
Hungary

Research Interests:

Group theory, representation theory, combinatorics

Finished PhD student:

Fuat Erdem (Technical University of Ankara, Turkey)

Awards, Honors:

- Paul Erdős Prize, 2016.
- Youth Prize of the Hungarian Academy of Sciences, 2012.
- 24th National Scientific Conference for University Students, Debrecen, Hungary, 1999: first prize in Algebra and Geometry for the paper *On primitive permutation groups with large orders* (in Hungarian).
- KöMaL National Mathematics Competition, Hungary, 1993–94: second prize.

Research grants:

- A four year research grant from the National Research, Development and Innovation Office (NKFIH); grant No. K132951.
- Humboldt Return Fellowship to Hungary.
- Humboldt Fellowship for Experienced Researchers, Technische Universität Kaiserslautern, Kaiserslautern, Germany.
- János Bolyai Research Scholarship of the Hungarian Academy of Sciences, September 2010 - August 2013.
- A Marie Curie International Reintegration Grant, Rényi Institute, Budapest, May 2009 - May 2013.
- A postdoctoral research grant from the Mathematical Sciences Research Institute, Berkeley, January - May, 2008.
- A three year scholarship from the School of Mathematics and Statistics of the University of Birmingham, UK to write my PhD thesis.

Papers and preprints:

All papers and preprints can be downloaded from my web site.

Theses:

1. Combinatorial Aspects of Finite Linear Groups, DSc dissertation, 2017. (99 pages)

2. Orders, conjugacy classes, coverings of permutation groups, Ph.D. thesis, 2008, University of Szeged, Hungary. (77 pages)
3. Permutation groups and representation theoretic invariants, Ph.D. thesis, 2004, University of Birmingham, U.K. (86 pages)
4. On primitive permutation groups with large orders (in Hungarian), M.Sc. thesis, University of Szeged, Hungary, 1999. (50 pages)

Activities:

1. Co-organizer of the conference Groups and Topological Groups, Budapest, 3rd and 4th of February, 2017.
2. An editor for Acta Mathematica Hungarica.
3. An editor for Communications in Algebra.
4. An editor for International Journal of Group Theory.

Teaching:

- Various courses taught at the University of Southern California, 2004-2007. Eight classes for undergraduate students (1-7) and three courses for graduate students (8-10).
 1. Discrete Mathematics (Math 400),
 2. Differential Equations and Linear Algebra (Math 225),
 3. Applied Combinatorics (Math 432),
 4. Calculus I (Math 125),
 5. Calculus II (Math 126),
 6. Math. for the Social Sciences (Math 370) two courses,
 7. Applied Algebra (Math 370),
 8. Combinatorial Analysis (Math 532),
 9. Character Theory of Finite Groups (Math 610), and
 10. Algebra (Math 510b)
- Various tutorials, markings at the University of Birmingham, U.K., 2002-2004.
- Representation theory course for undergraduate and graduate students based on the book *Representations and characters of groups* by James and Liebeck; held at the University of Szeged, Hungary, 2000.