

CURRICULUM VITAE

Andrej Dujella

Address

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Education

Ph.D. in Mathematics, Department of Mathematics, University of Zagreb, 1996

M.Sc. in Mathematics, Department of Mathematics, University of Zagreb, 1993

B.Sc. in Mathematics, Department of Mathematics, University of Zagreb, 1990

Working experience

2004 – present, Professor, Department of Mathematics, University of Zagreb

2000 – 2004, Associate Professor, Department of Mathematics, University of Zagreb

1997 – 2000, Assistant Professor, Department of Mathematics, University of Zagreb

1993 – 1997, Teaching Assistant, Department of Mathematics, University of Zagreb

1990 – 1993, Teaching Fellow, Department of Mathematics, University of Zagreb

2013 Jan. – Visiting Scientist, Tata Institute of Fundamental Research, Mumbai

2011 May – Visiting Professor, Universidad del Pais Vasco and Basque Center for Applied Mathematics (BCAM), Bilbao

2011 Mar./Apr. – Visiting Scientist, Eidgenössische Technische Hochschule (ETH) Zürich

2010 Nov./Dec. – Visiting Scientist, Universidad Nacional Autonoma de Mexico, Morelia

2010 Oct./Nov. – Visiting Professor, Collège Doctoral Européen, Strasbourg

2007 May – Visiting Professor, University of Debrecen

2001 May – Visiting Professor, Technische Universität Graz

Awards and honors

2017 – University of Zagreb award "Andrija Mohorovičić"

2017 – Doctor Honoris Causa of University of Debrecen

2012 – Full member of the Croatian Academy of Sciences and Arts

2006 – State annual award for science

2004 – Award of the Croatian Academy of Sciences and Arts

2000 – Croatian Mathematical Society Award for Scientific Achievements in Mathematics

1988/89 – Scholarship of University of Zagreb

1984 – Bronze Medal at International Mathematical Olympiad (Prague)

Selected Grants

2014-2018, HRZZ project Diophantine m -tuples, elliptic curves, Thue and index form equations (Principal Investigator)

2007-2013, MZOS project Diophantine Equations and Elliptic Curves (Principal Investigator)

2002-2006, MZOS project Diophantine Equations (Principal Investigator)

2004-2014, four bilateral Croatian-Austrian projects (co-leader with R. Tichy)

2005-2011, two bilateral Croatian-Hungarian projects (co-leader with A. Pethő)

2005-2020, four bilateral Croatian-French projects (co-leader with Y. Bugeaud)

Publications:

Total number of publications: 128 papers, 5 books

Full bibliography is available at: <http://web.math.pmf.unizg.hr/~duje/papers1.html>

Citations:

Google Scholar: 3724 citations; h-index 32

Web of Science: 1534 citations; h-index 19

MathSciNet: 1563 citations; h-index 20

Scopus Citation Tracker: 1604 citations; h-index 20

Selected publications:

- A. Dujella, M. Kazalicki and J. C. Peral, Elliptic curves with torsion groups $\mathbb{Z}/8\mathbb{Z}$ and $\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/6\mathbb{Z}$, *Rev. R. Acad. Cienc. Exactas Fis. Nat. Ser. A Math. RACSAM* 115 (2021), Article 169.
- A. Dujella, M. Kazalicki and V. Petričević, *Rational Diophantine sextuples with square denominators*, *J. Number Theory* 205 (2019), 340-346.
- A. Dujella, M. Kazalicki, M. Mikić and M. Szikszai, *There are infinitely many rational Diophantine sextuples*, *Int. Math. Res. Not. IMRN* 2017 (2) (2017), 490-508.
- A. Dujella, *What is ... a Diophantine m -tuple?*, *Notices Amer. Math. Soc.* 63 (2016), 772-774
- A. Dujella and J. C. Peral, *High rank elliptic curves with torsion $\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/4\mathbb{Z}$ induced by Diophantine triples*, *LMS J. Comput. Math.* 17 (2014), 282-288.
- J. Bosman, P. Bruin, A. Dujella and F. Najman, *Ranks of elliptic curves with prescribed torsion over number fields*, *Int. Math. Res. Not. IMRN* 2014 (11) (2014), 2885-2923.

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- Y. Bugeaud and A. Dujella, *Root separation for irreducible integer polynomials*, Bull. Lond. Math. Soc. 43 (2011), 1239–124.
- A. Dujella and F. Luca, *Diophantine m -tuples for primes*, Intern. Math. Research Notices 47 (2005), 2913–2940.
- A. Dujella and C. Fuchs, *Complete solution of a problem of Diophantus and Euler*, J. London Math. Soc. 71 (2005), 33–52.
- A. Dujella, *There are only finitely many Diophantine quintuples*, J. Reine Angew. Math. 566 (2004), 183–214.
- A. Dujella and A. Pethő, *A generalization of a theorem of Baker and Davenport*, Quart. J. Math. Oxford Ser. (2), 49 (1998), 291–306.

PhD Students:

Borka Jadrijević (2001), Zrinka Franušić (2005), Alan Filipin (2006), Bernadin Ibrahimpašić (2008), Filip Najman (2010), Ana Jurasić (2010), Mirela Jukić Bokun (2011), Petra Tadić (2011), Vinko Petričević (2011), Tomislav Pejković (2012, joint supervisorship with Yann Bugeaud), Ivan Soldo (2012), Miljen Mikić (2014, joint supervisorship with Filip Najman), Sanda Bujačić (2014)

Recent invited presentations

International Conference on Class Groups of Number Fields and Related Topics-2022, Kozhikode, Kerala, India, 21.-24.11.2022.

Online Number Theory Seminar, Debrecen, 21.10.2022.

Number-Theoretic Methods in Cryptology, Poznan, 29.-31.8.2022.

International Conference on Class Groups of Number Fields and Related Topics - Conference celebrating Michel Waldschmidt's 75th birth year, Kerala, 21.-24.10.2021.

Leibniz University Hannover, 11.06.2021.

Diophantine Problems, Determinism and Randomness, Marseille, 23.-27.11.2020.

Uludag University, Bursa, 29.11.2019.

Sabanci University, Istanbul, 27.11.2019.

Institut de Recherche Mathématique Avancée, Université de Strasbourg, 10.10.2019.

University of Debrecen, 24.11.2017.

Analytic Number Theory and Related Areas, Kyoto, Japan, 30.10.-01.11.2017.

23rd Czech and Slovak International Conference on Number Theory, Ostravice, Czech Republic, 28.08.-01.09.2017.

Professional service

2015 – 2018, Secretary of the Department of Mathematical, Physical and Chemical Sciences of Croatian Academy of Sciences and Arts and Member of the Presidency of the Croatian Academy of Sciences and Arts

2013 – Editor-in-Chief of the journal Rad HAZU, Matematičke znanosti

2012 – 2016, Editor-in-Chief of the journal Glasnik Matematički

2021 – Member of Editorial Advisory Board of Journal of Mathematical Cryptology

2011 – 2015, Chair of the Croatian doctoral program in mathematics

2009 – 2016, Member of Scientific Field Council for Natural Sciences

Chairman of the Program Committee of 20th Central European Conference on Cryptology, Zagreb (2020)

Chairman of the Organizing Committee of Workshop on Number Theory and Algebra (on the occasion of the 60th birthday of Ivica Gusić), Zagreb (2014)

Co-organizer (with Clemens Heuberger) of Minisymposia Diophantische Gleichungen, Elliptische Kurven, Klagenfurt (2005)

Co-organizer (with Attila Pethő) of Hungarian-Croatian Workshop on Mathematics and Informatics, Debrecen (2005)

Member of Scientific and Program Committee of Croatian Congress of Mathematics (Split, Osijek, Rijeka, Zagreb), Algorithmic Number Theory Symposium (Banff, Gyeongju), Central European Conference on Cryptology (Debrecen, Budapest, Klagenfurt, Piestany, Smolenice, Tečl, Linz), Central European Number Theory Conference (Komarno)

Referee for more than 80 scientific journals