

Personal information

Last name	Frey, née Raabe
First names	Linda Karina
E-Mail	Linda.Frey89@gmail.com
Website	www.lorifan.de
Date of birth	23.05.1989
Civil status	Married, three children (*07/2013, *01/2015, *06/2019)

Education and Research Positions

10/2018 to 01/2021 University of Copenhagen Denmark	early PostDoc.mobility grant (SNF). PostDoc mentor: Prof. Dr. Fabien Pazuki working on heights, abelian varieties of dimension at least two, curves of genus 2 and their Igusa invariants
04/2015 to 06/2018 Universität Basel Switzerland	PhD in mathematics. Advisor: Prof. Dr. Philipp Habegger Title "Height Lower Bounds in some non-Abelian Extensions", defended with "magna cum laude"
04/2013 to 03/2015 TU Darmstadt Germany	PhD in mathematics. Advisor: Prof. Dr. Philipp Habegger Working title "Heights and elliptic curves"
09/2012 to 03/2013 Universität Frankfurt Germany	PhD in mathematics. Advisor: Prof. Dr. Philipp Habegger Working title "Heights and elliptic curves"
09/2011 to 10/2012 ETH Zürich Switzerland	Master of Science ETH in mathematics Master Thesis "Kummer theory on elliptic curves" final grade 5,33 (6: best, 1: worst)
04/2008 to 07/2011 Universität Mainz Germany	Bachelor of Science in mathematics Bachelor Thesis "Freyd-Mitchellscher Einbettungssatz" final grade 2,0 (1: best, 5: worst)

Awards, grants and fellowships

10/2018 to 10/2020 early PostDoc.mobility	Full research stipend of the Swiss National Science Foundation, worth 160.000 CHF
06/2018 Birkhäuser Prize	Award for the best talk in the Swiss Graduate Colloquium 2018
02/2017 to 11/2017 antelope@university	Program of the Universität Basel for highly qualified female PhD students, worth 7.500 CHF (see www.unibas.ch/antelope)

07/2017 to 12/2017 get on track	Liberation of teaching duties, worth 6.000 CHF (see www.unibas.ch/getontrack)
03/2008 Abiturpreis Mathematik	Award of the DMV for an outstanding written exam (highest grade) in the final exams at high school

Peer-reviewed publications

2021	in preparation, Linda Frey - A Survey on the Integrality of Singular Igusa Invariants
2019	submitted, Linda Frey - Explicit Small Heights for Infinite Non-Abelian Extensions
2018	submitted, Linda Frey - Small Heights for Non-Abelian Extensions

Invited Talks

2019	Göteborg, Sweden Universität zu Köln, Germany Charmey, Switzerland
2018	University of Rennes, France University of Bristol, United Kingdom Universität Mainz, Germany TU Darmstadt, Germany The Hebrew University of Jerusalem, Israel Institut Fourier Grenoble, France Université de Caen Normandie, France University of Copenhagen, Denmark
2017	University of Cape Town, South Africa Stellenbosch University, South Africa Stellenbosch University, South Africa
2016	Charmey, Switzerland
2014	Université de Bordeaux, France

Teaching activities

2018-2020 University of Copenhagen Denmark	Topics in Number Theory (lecture)
2015-2018 Universität Basel Switzerland	Elliptische Kurven II (exercise lessons) Seminar for gifted high school students (twice) Lineare Algebra II (twice) (exercise lessons)
2013-2014 TU Darmstadt Germany	Seminar Kategorientheorie Co-supervised Bachelor's theses
2012-2013 Universität Frankfurt Germany	Seminar Höhentheorie

2011-2012 ETH Zürich Switzerland	Linear Algebra I (exercise lessons) Grundlagen der Mathematik II (exercise lessons)
2009-2011 Universität Mainz Germany	Mathematik für Informatiker I (exercise lessons) Lineare Algebra I (twice) (exercise lessons) Lineare Algebra II (exercise lessons)

(Organized) conferences and research visits

2019	N cube days, Göteborg, Sweden (plenary speaker) Topics in Rational Points (conference), Basel, Switzerland Topics in Rational Points (summer school), Basel, Switzerland Curves and Groups in Families, Rennes, France 5th Mini Symposium of the Roman Number Theory Association, Rome, Italy (speaker) goMATH symposium, Zürich, Switzerland 8th Swiss-French workshop on algebraic geometry, Charmey, Switzerland (speaker)
2018	N cube days, Lund, Sweden FUNference in honor of Philipp Habegger's 40th birthday, Basel, Switzerland (organizer) Galois Representations and Heights, Alpbach, Austria Torsion Subgroups and Galois Representations of Elliptic Curves, Zagreb, Croatia (speaker) Swiss Graduate Colloquium, Basel, Switzerland (speaker) Number Theory Days, Basel, Switzerland 4th Mini Symposium of the Roman Number Theory Association, Rome, Italy 7th Swiss-French workshop on algebraic geometry, Charmey, Switzerland
2017	Research visit with Florian Breuer, Stellenbosch, South Africa Specialization Problems in Diophantine Geometry, Cetraro, Italy Number Theory Days, Lausanne, Switzerland Arithmetic of Function Fields, Münster, Germany 6th Swiss-French workshop on algebraic geometry, Charmey, Switzerland (speaker)
2016	Leuca2016 Celebrating Michel Waldschmidt's 70th birthday, Leuca, Italy 5th Swiss-French workshop on algebraic geometry, Charmey, Switzerland (speaker)
2014	Colloque Jeunes Chercheurs en Théorie des Nombres, Bordeaux, France (speaker)
2013	Research visit at the Institute of Advanced Study, Princeton, USA

Career breaks (total of 34 months)

2020	Corona leave due to lack of child care (4 months)
2019/2020	Maternity leave and accident (broken foot and wrist, 7 months)
2015/2016	Accident (broken knee, 11 months)
2014/2015	Maternity leave (7 months)
2013	Maternity leave (5 months)