

Personal information

Last name	Frey, née Raabe
First names	Linda Karina
E-Mail	Linda.Frey89@gmail.com
Website	www.lorifan.de
YouTube Channel	www.youtube.com/c/LindaFrey
Date of birth	23.05.1989
Civil status	Married, four children (*07/2013, *01/2015, *06/2019, *03/2021)

Education and Research Positions

10/2018 to 09/2021 University of Copenhagen Denmark	early PostDoc.mobility grant (SNF). PostDoc mentor: Prof. Dr. Fabien Pazuki working on heights and Igusa invariants
04/2015 to 06/2018 Universität Basel Switzerland	PhD in mathematics, researcher position. 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, researcher position. Advisor: Prof. Dr. Philipp Habegger Working title "Heights and elliptic curves"
09/2012 to 03/2013 Universität Frankfurt Germany	PhD in mathematics, researcher position. 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", Advisor: Prof. Dr. Emmanuel Kowalski 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" Advisor: Prof. Dr. Manuel Blickle final grade 2,0 (1: best, 5: worst)

Awards, Grants and Fellowships

10/2018 to 08/2021 early PostDoc.mobility	Full research stipend of the Swiss National Science Foundation, worth 190.000 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	accepted for publication in Acta Arithmetica , Linda Frey - Explicit Small Heights for Infinite Non-Abelian Extensions
2021	accepted for publication in Annali della Scuola Normale di Pisa , 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

2018-2021 University of Copenhagen Denmark	Topics in Number Theory (lecture)
2015-2018 Universität Basel Switzerland	Elliptische Kurven II (exercise lessons and sometimes substitution of the lecturer) Seminar for gifted high school students (twice) Lineare Algebra II (twice) (exercise lessons and youtube videos)
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)

Other employment history

06/2010 to 08/2011	Private tutoring of university students in mathematics
08/2011 to 08/2011	Substitute teacher at Alte Kanti Aarau (senior classes)
04/2002 to 04/2011	Private tutoring of high school students (all subjects and all levels)

(Organized) Conferences and Research Visits

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

Career Breaks

2021	Maternity leave (5 months)
2020	Accident (broken arm, 2 months)
2020	Corona leave due to lack of child care (2 months)
2019/2020	Maternity leave (7 months)
2015/2016	Accident (broken knee, 11 months)
2014/2015	Maternity leave (7 months)
2013	Maternity leave (5 months)