

Claudius Heyer

Curriculum Vitae

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Education

- Oct. 2019 – **Postdoc**, *Westfälische Wilhelms-Universität Münster*.
Sep. 2022
- Mar. 2015 – **PhD in Mathematics**, *Humboldt-Universität zu Berlin*, Title: *Applications of parabolic Hecke algebras: parabolic induction and Hecke polynomials*.
28.06.2019
- Oct. 2012 – **M. Sc. in Mathematics**, *Humboldt-Universität zu Berlin*.
Jan. 2015
- Oct. 2009 – **B. Sc. in Mathematics**, *Humboldt-Universität zu Berlin*.
Aug. 2012

Positions, Fellowships

- Oct. 2019 – **Research Assistant**, *WWU Münster*, with teaching load.
Sep. 2022
- Feb. 2018 – **Berlin Mathematical School**, *Phase II (PhD student)*.
Sep. 2019
- Apr. 2016 – **Research Assistant**, *Humboldt-Universität*, with teaching load.
Sep. 2019

Papers, Preprints

- 2022 ***The Left Adjoint of Derived Parabolic Induction***, *In preparation*.
- 2021 ***On the Smooth Part Functor***, *Preprint*, arXiv:2108.05262.
- 2021 ***On the Decomposition of Hecke Polynomials over Parabolic Hecke Algebras***, *Preprint, submitted*, arXiv:2108.04535.
- 2021 ***Localization of the Parabolic Hecke Algebra at a Strictly Positive Element***, *Preprint*, arXiv:2103.16949.
- 2021 ***Parabolic Induction via the Parabolic pro- p Iwahori–Hecke Algebra***, *Represent. Theory* **25** (2021), 807–843, DOI:10.1090/ert/585.

Research Talks

- 24.03.2021 **Derived Products and the Left Adjoint of Derived Parabolic Induction**, *Rennes, France*, Colloque Tournant 2021 du GDR Théorie de Lie Algébrique et Géométrie.
(Online via Zoom)
- 12.01.2021 **Derived Products and the Left Adjoint of Derived Parabolic Induction**, *Münster, Germany*, Mittagssseminar.
- 26.08.2019 **Parabolic Induction for pro- p Iwahori–Hecke Modules**, *Marseille, France*, Conference: Buildings and Affine Grassmannians.
- 28.05.2019 **Decomposition of Hecke Polynomials**, *Münster, Germany*, Mittagssseminar.

Conferences, Summer Schools, Workshops

- Sep. 27 – Oct. 1 2021 **Conference: Representation Theory's Hidden Motives**, *University of Münster, Münster, Germany*.
- Apr. 26–30 2021 **Spring School towards a mod p Langlands correspondence**, *Essen*,
(Online via Zoom).
- Mar. 24–26 2021 **Colloque Tournant 2021 du GDR Théorie de Lie Algébrique et Géométrie**, *University of Rennes 1*, (Online via Zoom).
- Aug. 26 – Sep. 6 2019 **Conference: Buildings and Affine Grassmannians**, *CIRM, Marseille, France*.
- June 3–7 2019 **Conference: Representation Theory and D-Modules**, *University of Rennes 1, Rennes, France*.
- Oct. 8–11 2018 **CENTRAL Workshop: Automorphic Techniques in Arithmetic Geometry**, *Humboldt-Universität zu Berlin, Berlin, Germany*.
- Sep. 2–8 2018 **Autumn School: Arithmetic of Differential Equations**, *Łukęcin, Poland*.

Teaching experience

- WS 2021/22 **Teaching Assistant**, *WWU Münster*, Reflection Groups and Platonic Solids, Lecturer: apl. Prof. Dr. Lutz Hille.
- SS 2021 **Organizer**, *WWU Münster*, Oberseminar: Classification of Smooth mod p Representations.
- SS 2021 **Teaching Assistant**, *WWU Münster*, Galois Representations and (φ, Γ) -Modules, Lecturer: Prof. Dr. Peter Schneider.
- WS 2020/21 **Teaching Assistant**, *WWU Münster*, Local Galois Representations, Lecturer: Prof. Dr. Peter Schneider.
- SS 2020 **Organizer**, *WWU Münster*, Seminar: Finite Hecke Algebras, Co-Organizer: Prof. Dr. Peter Schneider.
- SS 2020 **Organizer**, *WWU Münster*, Oberseminar: Towards Eigenvarieties.

- WS 2019/20 **Assistant**, *WWU Münster*, Seminar: Mathematical Learning and Reflection, Main Instructor: PD Dr. Christian Serpé.
- SS 2019 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Algebra/Number Theory and its Didactics, Lecturer: Prof. Dr. Elmar Große-Klönne.
- WS 2018/19 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Algebra and Complex Analysis, Lecturer: Prof. Dr. Elmar Große-Klönne.
- SS 2018 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Linear Algebra and Analytic Geometry II*, Lecturer: Prof. Dr. Elmar Große-Klönne.
- WS 2017/18 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Linear Algebra and Analytic Geometry I*, Lecturer: Prof. Dr. Elmar Große-Klönne.
- SS 2017 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Algebra and Number Theory, Lecturer: Dr. Daniel Skodlerack.
- WS 2016/17 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Linear Algebra and Analytic Geometry I, Lecturer: Dr. Claudia Schillings.
- SS 2016 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Algebra and Number Theory, Lecturers: Dr. Werner Kleinert and Dr. Frank Gounelas.
- WS 2015/16 **Teaching Assistant**, *Humboldt-Universität zu Berlin*, Linear Algebra I (for Computer Scientists), Lecturer: Dr. Bernhard Gerlach.

Languages

German native
English fluent
French basic