

Douglas Molin

★ 1995-07-08 📍 University of Gothenburg ✉ molind@chalmers.se 📄 douglasmolin.github.io

Education

PhD in Mathematics <i>University of Gothenburg</i>	Aug 2021 –
◦ Supervisor: Christian Johansson	
MSc in Mathematics <i>University of Gothenburg</i>	Sept 2019 – Jun 2021
◦ Thesis: Effective Quasiparallelogram Laws for Elliptic Curves over Number Fields	
◦ Supervisor: Prof. Per Salberger	
BSc in Mathematics <i>University of Gothenburg</i>	Sept 2016 – Jun 2019

Publications and preprints

On patched completed homology and a conjecture of Venkatesh arXiv:2407.04228	Preprint
On derived deformation rings in characteristic 0 and a conjecture of Venkatesh	Preprint
Available at douglasmolin.github.io .	

Conferences and workshops attended

Arizona Winter School: Representation theory of p-adic groups <i>University of Arizona</i>	Mar 2025
New Advances in the Langlands Program: Geometry and Arithmetic <i>University of Oxford</i>	Sept 2024
Non-archimedean geometry and Eigenvarieties <i>University of Heidelberg</i>	Mar 2023
Topology and Arithmetic around the Langlands Program <i>Stockholm University</i>	Jun 2022

Research talks

<i>(Upcoming)</i> On derived Galois deformation rings in characteristic 0 <i>N-Cube Days XXIII, University of Gothenburg</i>	14 Nov 2025
On a conjecture of Venkatesh <i>Seminar in Algebraic Geometry and Number Theory, University of Gothenburg</i>	7 Feb 2024

Teaching experience

Part-time teaching as part of employment as doctoral student <i>University of Gothenburg & Chalmers University of Technology</i>	Aug 2021 –
◦ Includes lecturing, exercise sessions, computer labs and exam correcting in courses in analysis, algebra, probability and statistics.	
Teaching assistant / Amanuens <i>Chalmers University of Technology</i>	Aug 2017 – Aug 2021
◦ During the academic years 18/19 & 19/20, I was employed as <i>amanuens</i> (a two-year teaching position for undergraduates and master's students).	
◦ Includes lecturing, exercise sessions, computer labs and exam correcting in courses in analysis, algebra, probability and statistics.	