Håvard Damm-Johnsen

Citizenship: Norwegian
Date of Birth: June 24th 1997
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Employment		
	University of Gothenburg	Gothenburg, Sweden
	Postdoctoral Researcher	Jan. 2025 - Jan. 2027
	Max Planck Institute for Mathematics, Bonn	Bonn, Germany
	Visiting researcher	Oct. 2024 - Dec. 2024

Education		
	University of Oxford	Oxford, UK
	DPhil in Mathematics	Oct. 2020 - Oct. 2024
	Advisors: James Newton and Jan Vonk	
	University of Edinburgh	Edinburgh, UK
	BSc with honours in Mathematics	Sep. 2016 - June 2020
	First class degree with A1 average	

Publications

Modular Algorithms for Gross–Stark units and Stark–Heegner points
Contemp. Math., vol. 796, 2024, Amer. Math. Soc., Providence, RI, 261-284

Invited talks

Rigid cocycles and geodesics on Shimura curves	Nov 8th 2024
University of Heidelberg number theory seminar	
Diagonal restrictions of Hilbert modular forms	July 11th 2024
p-adic Families of Automorphic Forms, ICMS workshop	
Intersections of geodesics on modular curves and Hilbert modular forms	June 6th 2024
University of Oxford number theory seminar	
Diagonal Restrictions of Hilbert Eisenstein series	Oct. 31st 2023
University of Cambridge number theory seminar	
Diagonal Restrictions of Hilbert Eisenstein series	Oct. 24th 2023
University of Sheffield number theory seminar	
Modular algorithms for Gross–Stark units and Stark–Heegner points	Jul. 12th 2023
LMFDB, Computation, and Number Theory (LuCaNT) conference	
Computing Gross-Stark units using Hilbert modular forms	Dec. 7th 2022
University of Bristol Linfoot number theory seminar	
Computing Gross-Stark units using Hilbert modular forms	Oct. 17th 2022
University of Warwick junior number theory seminar	
Representations of Galois groups	May. 13th 2022
University of Oxford junior algebra and representation theory seminar	
Deformations of diagonal Hilbert Eisenstein series	Feb. 25th 2022
University of Cambridge junior algebra and number theory seminar	

	Computing p-adic L-functions over real quadratic fields University of Oxford junior number theory seminar	Oct. 11th 2021
	Computing p-adic L-functions using Hilbert Eisenstein series Y-RANT III: Young Researchers in Algebraic Number Theory	Aug. 18th 2021
	Local-to-global principles and a theorem of Siegel University of Oxford junior number theory seminar	Jan. 25th 2021
Honours & scholarships	**Aker Scholarship** Covered course and college fees	2020 - 2024
	Graduate Choral Scholarship Queen's College Chapel Choir, Oxford	2020 - 2021
	Vacation Scholarship University of Edinburgh School of Mathematics	2019
	Edinburgh Global Undergraduate Scholarship	2018
Service	**Conference co-organiser** Y-RANT VI: Young Researchers in Algebraic Number theory 5-day conference in Oxford, UK	2023-2024
	Graduate student representative University of Oxford Library Committee	2020 - 2024
	Junior Number Theory Seminar Organiser University of Oxford	2022 - 2023
Teaching in Oxford:	TOPS summer school *instructor*	Summer 2024
	Prelims: Group Theory (2 sections) *tutor*	Trinity 2024
	Junior number theory seminar *organiser*	2022 - 2023
	Prelims: Linear Algebra II (3 sections) *tutor*	Hilary 2023
	Prelims: Geometry *tutor*	Michaelmas 2022
	Prelims: Linear Algebra I (2 sections) *tutor*	Michaelmas 2022
	TOPS summer school *instructor*	Summer 2022
	Part A: Number Theory short option *tutor*	Trinity 2022
	Part B: Galois Theory *tutor*	Michaelmas 2021
	Étale cohomology learning seminar *organiser*	Trinity 2021
	Part C: Elliptic Curves *teaching assistant*	Hilary 2021
	Part B: Commutative Algebra *teaching assistant*	Hilary 2021
	Part B: Galois Theory *teaching assistant*	Michaelmas 2020
Conferences & workshops attended	*p*-adic Families of Automorphic Forms ICMS Edinburgh, UK	8-12/07/24

Bellaïche memorial conference   18-21/06/24
Paris, France

2023 FLINT development workshop   9-13/10/23
RPTU Kaiserslautern, Germany

Conference for Young Number Theorists in Bonn   11-15/09/23
Max Planck Institute, Bonn, Germany

Young Researchers in Algebraic Number Theory (Y-RANT) V   6-8/09/23
Cambridge, United Kingdom

LMFDB, Computation, and Number Theory (LuCaNT)   10-14/07/23
ICERM, Providence, Rhode Island

Spring School on eigenvarieties   6-17/03/23
Heidelberg, Germany

Number Theory Informed by Computation   17/07-06/08/22
Park City Mathematical Institute, Utah

Arizona Winter School 2022: Automorphic forms beyond GL_2 5-9/03/22
Tucson, Arizona

Arithmetic and Geometry of Varieties with Trivial Canonical Bundle   14-16/12/21
Oslo, Norway

Young Researchers in Algebraic Number Theory (Y-RANT) III   18-20/08/2021
University of Bristol (online)

Number theory informed by computation   26-30/07/2021
Park City Mathematical Institute, Utah (online)

Theta Series: Representation Theory, Geometry, and Arithmetic   05-09/07/21
Fields Institute (online)

New connections in number theory and physics   24-28/05/21
Isaac Newton Institute (online)

Unlikely Intersections, Diophantine geometry, and related fields   12-16/04/21
University of Reading (online)

Last updated: March 06, 2025