Curriculum Vitae – Frederick E. Thøgersen

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SUMMARY

Name: Frederick Eidsnes Thøgersen
Email: Frederick.Thogersen@Nottingham.ac.uk

Affiliation: University of Nottingham

Research interests: p-adic L-functions, eigenvarieties, their applications to the Block-Kato conjectures and Iwasawa theory

QUALIFICATIONS

PhD in Mathematics - University of Nottingham *2023 - current (3rd year)*
Supervised by Dr. Chris Williams

MSc in Mathematics - University of Warwick *2021 - 2022*
Supervised by Prof. David Loeffler

MASt (Part III) in Pure Mathematics - University of Cambridge *2020 - 2021*
Graciously supported by Aker Scholarships

BSc (Hons) in Mathematics - King's College London *2017 - 2020*

RESEARCH PAPERS

2. **Families of symplectic Galois representations over small parabolic eigenvarieties for $\mathbf{GSp}_4$** *In preparation*
   With Muhammad Manji and Ju-Feng Wu
1. **Anti-cyclotomic p-adic L-functions for definite $\mathbf{U}_{2n}$ in the CM case** *In preparation*

TEACHING EXPERIENCE

Teaching Assistant/Demonstrator, Nottingham *2024-2026*
Number Theory

Tutor, King's College London *2023*
Applied Differential Equations, Complex Analysis

Tutor, King's College London Mathematics School *2019-2020*
Graph Theory (Upper Secondary School)

Tutor, King's College London *2018-2020*
Evening Classes (Upper Secondary School)

ACADEMIC CONTRIBUTIONS

Talk: Anti-cyclotomic p-adic L-functions for $\mathbf{U}_{2n}$ *March 2026*
UniDistance Suisse Number Theory Seminar

Talk: Anti-cyclotomic p-adic L-functions for $\mathbf{U}_{2n}$ *February 2026*
Nottingham pure maths seminar

Organiser: YRant VII *September 2025*
Conference for young researchers in algebraic number theory to be at Nottingham

Talk: Applications of Branching Laws on p-adic L-functions *January 2025*
Junior Warwick Number Theory Seminar

Talk: p-adic L-functions and parabolic methods *September 2024*
Algebraic Number Theory workshop - Universität der Bundeswehr München

Talk: A few remarks about p-adic L-functions *July-August 2024*
YRant VI - Young Researchers in Algebraic Number Theory at Oxford

AWARDS

Layton Science Research Award *2019 - 2020*
For the best promise of apitude and genius for original scientific work

Aker Scholarship for MASt *2020*
Scholarship awarded to "Norwegian students of outstanding talent, high moral integrity and societal merit"

John Tyrrell Prize for Mathematics Second Year *2018 - 2019*
For the most meritorious performance

3rd place - 41st Spackman competition *2018 - 2019*
Annual mathematics competition at King's College London

OTHER WRITTEN WORK

Classification of spherical varieties related to Euler systems *2021 - 2022*
MSc dissertation supervised by Prof. David Loeffler

Euler Systems, Twists and Selmer Groups *2021 - 2022*
Essay written as part of Iwasawa Theory module supervised by Dr. Óscar Rivero

Congruences of Modular Forms *2020 - 2021*
Written as a Part III essay supervised by Prof. Jack Thorne

An Introduction to the Algebraic Basics of Langlands Conjectures *2019 - 2020*
Written as a part of the Third Year Project module supervised by Prof. David Burns

A summary of certain results on Ray class groups over cyclic p-extensions, associated preliminaries and applications *2019 (summer)*
Written as a part of KURF supervised by Prof. James Newton and Dr. Asuka Kumon

SKILLS

Languages:

Norwegian:	Native
English:	Fluent
German:	Intermediate
Russian:	Intermediate