

Curriculum Vitae

Nikolai Opdan

Contact information

Address: Department of Mathematics
University of Oslo
Moltke moes vei 35
0851 Oslo, Norway

Email: ntmarti@math.uio.no

Web: nikolaiopdan.com

Research interest

Motivic homotopy theory, Logarithmic algebraic geometry, Higher category theory, Algebraic number theory, Ramification theory

Education

2022 - **University of Oslo**, Ph.D. in Mathematics
2020 - 2021 **University of Oslo**, M.sc. in Mathematics
Advisor: Paul Arne Østvær
Thesis: Logarithmic Motives with Compact Support
2017 - 2020 **University of Oslo**, B.sc in Mathematics with informatics

Publications

Preprints

1. Introduction to Framed Correspondences (with Marc Hoyois)

In preparation

1. Logarithmic Motives with compact support
2. Lectures on the Cohomology of Reciprocity Sheaves (with Kay Rilling)

Other publications

- Logarithmic Motives with Compact Support, Master thesis (December 2021)
- Attacking SIKE - A survey of known attacks (August 2021)

Teaching

2019-2021 **University of Oslo**, Teaching assistant
MAT1100U - Calculus (Spring 2021)
MAT1110 - Calculus and linear algebra (Spring 2021)
MAT1100U - Calculus (Fall 2020)
MAT1100 - Calculus (Fall 2020)
MAT1100U - Calculus (Spring 2020)
MAT1110 - Calculus and linear algebra (Spring 2020)
MAT1100U - Calculus (Fall 2019)
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Research visits

15.4-15.6 2022 University of Milan
Spring 2021 Motivic Geometry project, Center for Advanced studies, Oslo

Attended Conferences

8.8-12.8 2022 Motivic Geometry Conference, Oslo
27.6-1.7 2022 Harnessing Motivic Invariants, Essen
14.12-16.12 2022 Arithmetic and geometry of varieties with trivial canonical bundle, Oslo
20.9-24.9 2021 Motivic Summer School and Conference
The Six-Functor Formalism and Motivic Homotopy Theory
University of Milan