

Jonte Gödicke

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Education

- PhD in Mathematics**, *University of Hamburg, Germany* Oktober 2021-Current
- Cluster of Excellence Quantum Universe
 - Adviser: Tobias Dyckerhoff
- Master of Science in Mathematical Physics**, *University of Hamburg, Germany* 2019-2021
- Master thesis: Examples of derived formal moduli problems
 - Adviser: Julian Holstein
 - Grade: 1.05
- Bachelor of Science in Physics**, *University of Hamburg, Germany* 2015-2019
- Bachelor Thesis: Various topics in classical, bosonic, semiclosed string theory
 - Advisor: Marco Zagermann
 - Grade: 1.04
- Abitur**, *Gymnasium Osterholz-Scharmbeck, Germany* 2007-2015
- Grade: 1.1

Work in Progress

The ∞ -category of 2-Segal spaces

Jonte Gödicke,

Content: We provide an equivalence between the ∞ -category of Algebra objects in Span categories with a subcategory of the ∞ -category of Span of 2-Segal objects.

Rigid 2-Segal spaces

Jonte Gödicke,

Content: We use $(\infty, 2)$ -categorical techniques to classify those 2-Segal groupoids, whose linearization is a fusion category.

Simons Lectures on Categorical Symmetries, Volume 1,

Lecture Notes: Applied Cobordism Hypothesis, Lecturer David Jordan

Aaron Hofer, Anja Švraka and **Jonte Gödicke**,

Content: We write lecture notes for the lecture "Applied Cobordism Hypothesis" given by David Jordan during the Global Categorical Symmetries School in Les Diableret in September 2023.

Conference Talks

Workshop Higher Segal Spaces and their Applications to Algebraic K-Theory, Hall Algebras, and Combinatorics,

January 2024

Banff International Research Station, Title: Rigid 2-Segal Spaces

Global Categorical Symmetries School,

September 2023

Les Diableret, Switzerland, Gong Show Talk, Title: Towards Derived Turaev-Viro Theory

Summer School: Donaldson Thomas Invariants in Derived Symplectic Geometry,

Oktober 2022

Aussois, France, Title: Motivic DT Invariants after Kontsevich Soibelman

Summer School: Irregular Riemann Hilbert Correspondences,
Aussois, France, Title: Local Moduli for marked meromorphic flat bundles

September 2021

Seminar Talks

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| Higher Structures in Quantum Fieldtheory Seminar, <i>Munich, Germany, Title: Rigid Hall monoidal structures</i> | May 2024 |
| Algebra and Topology Seminar, <i>Kopenhagen, Denmark, Title: Which 2-Segal objects are rigid?</i> | May 2024 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Rigid 2-Segal spaces</i> | November 2023 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Introduction to the Cobordism Hypothesis</i> | November 2023 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Symplectic Cohomology</i> | May 2023 |
| ZMP Seminar, <i>Hamburg, Germany, Title: Categorification of Cluster algebras, with Merlin Christ</i> | January 2022 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Classical Hall Algebras</i> | April 2021 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Algebraic Stacks</i> | May 2020 |
| Higher Structure Seminar, <i>Hamburg, Germany, Title: Deformation of Singularities</i> | December 2019 |

Organized Events

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| Live Stream of the lecture by Prof. Dr. Denis-Charles Cisinski about Formalization of Higher Category Theory, <i>Hamburg, Germany Organized with Jonas Linssen and Markus Zetto</i> | Fall 2023 |
| Mini Workshop on Higher Categorical Methods in Algebra and Geometry, <i>Hamburg, Germany Co-Organizer with Tobias Dyckerhoff, Mathew Habermann and Angus Rush</i> | March 2023 |
| PhD Pizza Seminar, <i>Hamburg, Germany Organized with Angus Rush, David Jaklitsch, Thomas Stempfhuber and Aaron Hofer</i> | April 2022 - Fall 2023 |

Teaching Experience

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| Tutor for Linear Algebra 1 | Fall 2022 |
| Tutor for Algebraic Topology 2 | Spring 2022 |
| Tutor for Mathematics for Physicists 3 | Fall 2021 |
| Student Tutor for Mathematics for Physicists 4 | Spring 2021 |
| Student Tutor for Algebra | Fall 2020 |
| Student Tutor for Mathematics for Physicists 4 | Spring 2020 |
| Student Tutor for Mathematics for Physicists 3 | Fall 2019 |
| Student Tutor for Mathematics for Physicists 4 | Spring 2019 |
| Student Tutor for Mathematics for Physicists 3 | Fall 2018 |

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| Student Tutor for Mathematics for Physicists 2 | Spring 2018 |
| Student Tutor for Theoretical Physics 2 | Spring 2018 |
| Student Tutor for Mathematics for Physicists 1 | Fall 2017 |
| Student Tutor for Theoretical Physics 1 | Fall 2017 |
| Student Tutor for Experimental Physics 2 | Spring 2017 |

Soft Skill Courses

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| Hamburg Research Academy: How to Advance Your Research Career and Get Funding | July 2024 |
| PIER Desy Academic Writing Course | April-June 2024 |

Further attended Mathematical Events

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| Conference Higher Structures in Functorial Field Theories, <i>Regensburg, Germany</i> | August 2023 |
| Hausdorff School: TQFT and their connections to Representation theory and Mathematical Physics, <i>Bonn, Germany</i> | June 2023 |
| School: Finiteness Conjecture for Skein modules, <i>Matemale, France</i> | May 2022 |
| Online Seminar: Champs et Homotopie en Géoemétrie algébrique, <i>Toulouse, France</i> | Januar-May 2021 |
| String Theory Steilkurs, <i>Hamburg, Germany</i> | April 2018 |

Language

German Native speaker
 English, Fluently
 Latin, Advanced certificate