
Curriculum Vitæ: Aaron Hofer

Contact details

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Education

10/2022-	PhD in Mathematics, University of Hamburg topic of thesis: Defects in non-semisimple 3d topological field theory and 2d logarithmic conformal field theory supervisor: Ingo Runkel
10/2019-02/2022	MSc in Physics, University of Vienna topic of thesis: TQFTs with additional structure supervisor: Nils Carqueville
10/2015-08/2018	BSc in Physics, University of Innsbruck topic of thesis: Phononic excitations of nanoscale solids supervisor: Oriol Romero-Isart
09/2010-07/2014	Highschool, Bundes Oberstufen Real Gymnasium Mittersill

Teaching experience

Winter term 2024	Exercise classes Mathematik I für Studierende der Geophysik /Ozeanographie, Meteorologie und Physik und der Computing in Science , University of Hamburg
Summer term 2023	Exercise classes Advanced algebra - homological algebra and representation theory , University of Hamburg
Winter term 2022/23	Exercise classes Hopf Algebras, quantum groups and topological field theory , University of Hamburg
Winter term 2018/19	Tutor in Theoretical Physics I: Classical Mechanics, University of Innsbruck

Attended Schools and Conferences

18-22.03.2024	Workshop on New Directions in Conformal Field Theory
19.01.2024	16th Seminar on Conformal Field Theory
08-10.11.2023	WPC Theoretical Physics Symposium
04-08.09.2023	Categorical Symmetries in Quantum Field Theories (School)
14-18.08.2023	Higher structures in Functorial Field Theory
19-23.06.2023	Hausdorff School: “TQFTs and their connections to representation theory and mathematical physics”

18-22.07.2022	Strings 2022 (student volunteer)
10/2019-02/2022	Vienna Master Class Mathematical Physics
03-06.09.2020	Vienna Summer School 2020 on Gravitational Quantum Physics

Talks

April 2024	Carqueville group seminar , Vienna: CFT/TFT correspondence beyond semisimplicity
March 2024	Workshop on New Directions in Conformal Field Theory , Hamburg: Modular functors from non-semisimple 3d TFTs
September 2023	QU Day 3 2023 , Hamburg: CFT/TFT correspondence beyond semisimplicity
September 2023	Categorical Symmetries in Quantum Field Theories , Les Diablerets: Gong show talk on the CFT/TFT correspondence
April 2023	Seminar Quantum Physics and Geometry , Hamburg: Topological defects in the 2d Ising CFT
March 2023	Carqueville group seminar , Vienna: Lyubashenko's modular functor via holography

Awards and prizes

[Alfred-Wehrl award](#) 2022