

## Curriculum Vitae

### Personal information

Surname(s) / First name(s)

Wasserman, Thomas Anton

### Academic Interests

Interests

Topological Quantum Field Theories, Higher Categories, Fusion Categories, Mathematical Physics with emphasis on mathematical treatment of Quantum Field Theories, Algebraic Topology, Topological Insulators, Topological Quantum Computing, Quantum Information

### Employment

Period

2018 - 2020

Job Title

Postdoc

Institution

University of Copenhagen

### Education

Period

2012 -2018

Program

DPhil. in Mathematics

Institution

University of Oxford

Thesis Title

*“The Reduced Tensor Product of Braided Fusion Categories over a Symmetric Fusion Category”*

Advisor

Christopher Douglas

Period

2008 - 2012

Programs

Master Mathematical Sciences

Master Theoretical Physics

Institution

Universiteit Utrecht

Combined Thesis

*“Orbifold Conformal Field Theory and One-Loop Self-Energy in the  $S_N \mathbb{R}^D$  Orbifold Sigma Model”*

Advisors

André Henriques and Gleb Arutyunov

Period

2005 - 2009

Programs

Bachelor Mathematics

Bachelor Physics and Astronomy

Institution

Universiteit Utrecht

Thesis

*“Gravitational Waves from Bubble Collisions during First-Order Phase Transitions”* (Advisor: Tomislav Prokopec)

Period

1999 - 2005

Program

Preparatory Scientific Education (Gymnasium): Nature and Technology and Nature and Health programmes and Latin

Institution

Gymnasium Haganum (The Hague)

## Teaching experience

Period	2019-2020
Employer	University of Copenhagen
Tasks	Lecturer for Algebraic Topology 1.5 (twice), Supervised a Bachelor thesis, Supervised reading courses at bachelor and master level (thrice).
Period	2018
Employer	St. Peter's College, University of Oxford
Title	Non-Stipendiary Lecturer in Pure Mathematics
Period	2015 - 2017
Employer	University College, University of Oxford
Title	Junior Lecturer in Pure Mathematics
Period	2015
Employer	Exeter College, University of Oxford
Title	Tutor for the Williams-Exeter Programme
Period	2014 - 2016
Employer	Mathematical Institute, University of Oxford
Title	Class tutor
Period	2012 - 2014
Employer	Mathematical Institute, University of Oxford
Title	Teaching assistant
Period	2008 - 2012
Employer	Universiteit Utrecht
Title	Student assistant
Period	2007
Employer	James Boswell Institute
Task	Exam training for final year high school students.

## Teaching Qualifications

Name	Introduction to University Pedagogy
Year	2019
Description	Week long intensive introduction to university pedagogy.

## Publications

Title	The Drinfeld centre of a symmetric fusion category is 2-fold monoidal
Year	2020
Journal	<i>Advances in Mathematics</i> 366:107090
Title	The symmetric tensor product on the Drinfeld centre of a symmetric fusion category
Year	2020
Journal	<i>Journal of Pure and Applied Algebra</i> 224(8):106348
Title	The reduced tensor product of braided tensor categories containing a symmetric fusion category
Year	2019
Journal	In review, <i>Journal für die Reine und Angewandte Mathematik</i>
Title	Drinfeld centre-crossed braided tensor categories
Year	2019
Journal	In review, <i>Higher Structures</i>

## Awards and Scholarships

2016	Departmental Teaching Award from the Mathematical Institute of the University of Oxford
2013	Scholarship from Prins Bernhard Cultuurfonds for a DPhil. in Mathematics at the University of Oxford (€12000)
2012	Scholarship from the Engineering and Physical Sciences Research Council for a DPhil. in Mathematics at the University of Oxford
2012	Scholarship from Dr. Hendrik Muller Vaderlandsch Fonds for a DPhil. in Mathematics at the University of Oxford (€5000)
2012	Funding from Stichting Vreedfonds for a DPhil. in Mathematics at the University of Oxford (€6000)
2012	Funding from Fundatie Vrijvrouwe van Renswoude for a DPhil. in Mathematics at the University of Oxford(€6000)
2010	Second place in the NNV's Bachelor Thesis contest at FYSICA 2010
2009	Scholarship from the Swiss government for study at the ETH Zürich for 5 months

## Languages

Dutch	Native tongue
English	Highly proficient
German	Good command
Danish, French	Basic