Curriculum Vitae of
Robin Stoll

October 22, 2021

Personal Data

Date of Birth	03.10.1996
Nationality	German
E-Mail Address	robin.stoll@math.su.se

Education

Since 2019	Pursuing a PhD in Mathematics (Stockholm University)
	Supervisors: Alexander Berglund and Greg Arone
Oct 2019	M.Sc. in Mathematics (University of Bonn). Final grade: 1.0 [1]
	Master thesis: "A version of Goodwillie calculus for non-cubes" supervised by Emanuele Dotto
Jul 2017	B.Sc. in Mathematics (University of Bonn). Final grade: 1.7 [1]
	Bachelor thesis: "An introduction to topological K-Theory and Snaith's Theorem" supervised by Urs Schreiber
Jun 2014	Abitur (Graf-Münster-Gymnasium Bayreuth)

Publications and Preprints

[1] Robin Stoll. "Modular operads as modules over the Brauer properad". In preparation. 2021.

[2] Marvin Randig, Dierk Schleicher, and Robin Stoll. *Newton's method in practice II: The iterated refinement Newton method and near-optimal complexity for finding all roots of some polynomials of very large degrees.* Preprint submitted for publication. 2017. arXiv: 1703.05847.

[3] Dierk Schleicher and Robin Stoll. "Newton's method in practice: finding all roots of polynomials of degree one million efficiently". In: *Theoretical Computer Science* 681 (2017), pp. 146–166. arXiv: 1508.02935.

Teaching

Teaching assistant

At Stockholm University

Summer 2021	*Foundations of Analysis* held by Alan Sola and *Abstract algebra* held by Greg Arone

At the University of Bonn

Summer 2019	*Topology II* held by Daniel Kasprowski
Winter 2018/19	*Topology I* held by Wolfgang Lück
Summer 2018	*Introduction to Geometry and Topology* held by Wolfgang Lück
Winter 2017/18	*Topology I* held by Stefan Schwede
Summer 2017	*Introduction to Geometry and Topology* held by Urs Schreiber
Winter 2016/17	*Analysis I* held by Barbara Niethammer

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[1]Grading scale: 1.0 (best) – 4.0 (worst)

Other teaching

I taught the following week-long courses aimed at high school and younger university students at summer schools of the Quod Erat Demonstrandum e.V. (also see below under "Other activities"):

Aug 2021	*Geometric group theory*, with Aras Ergus
Aug 2020	*Knot theory and practice*, with Aras Ergus
Aug 2017	*Introduction to Topology*, with Leon Hendrian

Conferences, Workshops, and Summer Schools

Participation

Jun 2021	Masterclass on high dimensional cohomology of moduli spaces – Copenhagen
Jun 2021	Workshop on Higher Structures and Operadic Calculus – Barcelona (virtual)
Dec 2019	Opening workshop of the "Operads, Calculus, and Homotopy theory methods in Topology" research project – Lausanne
Sep 2019	European Autumn School in Topology – Utrecht
Jul 2019	Young Topologists Meeting – Lausanne
Mar 2019	Bayerische Kleine AG about "The Landweber Exact Functor Theorem" – Bayreuth
Sep 2018	European Autumn School in Topology – Utrecht
Jul 2018	Young Topologists Meeting – Copenhagen
Jul 2017	Young Topologists Meeting – Stockholm
Sep 2016	Heidelberg Laureate Forum – Heidelberg
Jul 2015	Modern Mathematics International Summer School for Students – Bremen
Jul 2013	Modern Mathematics International Summer School for Students – Bremen

Organization

Jul 2021	Young Topologists Meeting – Stockholm (virtual)

Other activities

Since 2011	Member of the Quod Erat Demonstrandum e.V., a Bavarian math club for high school and university students
Since 2015	Participation in the ICFP Programming Contest as part of team udfew in every year except for 2016
2015 – 2018	Supervisor and tutor at three summer schools for mathematically interested pupils from Bremen
2014 – 2015	Deputy chairman of the Quod Erat Demonstrandum e.V.
Sep 2014	Organizer of the yearly summer school of the Quod Erat Demonstrandum e.V. in Sonthofen
Jul 2014	Participation in the International Tournament of Young Mathematicians as part of the team from Bremen, achieving third place
2006 – 2014	Various participations in German math, robotics, and computer science competitions for high school students, with success at the federal state level
Dec 2013	Organizer of a seminar of the Quod Erat Demonstrandum e.V. in Kronach