

# SEBASTIAN SCHULZ

Department of Mathematics  $\diamond$  The University of Texas at Austin  
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## EDUCATION

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<b>The University of Texas at Austin</b> PhD in Mathematics Thesis title: “Nilpotent Higgs bundles and families of flat connections” Thesis advisor: Andy Neitzke	Since August 2016
<b>The University of Heidelberg</b> MSc in Mathematics Thesis title: “Spectral Networks” Thesis advisors: Daniel Roggenkamp, Anna Wienhard	December 2015
<b>The University of Heidelberg</b> BSc in Physics Thesis title: “Conformal and topological field theories in two dimensions” Thesis advisor: Timo Weigand	August 2012
<b>The University of Heidelberg</b> BSc in Mathematics Thesis title: “The Kähler relations” Thesis advisor: Eberhard Freitag	August 2011

## VISITING POSITIONS

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<b>Yale University</b> <i>Funded by Andy Neitzke</i>	August 2021 - Present
<b>The University of Texas at Austin</b> <i>Funded by the GEAR Network</i>	January 2016 - May 2016
<b>The University of Toronto</b> <i>Funded by the OBW program and a Baden-Württemberg scholarship</i>	August 2012 - May 2013

## INVITED TALKS

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<b>University of Saskatoon</b> <i>Geometry and Mathematical Physics Seminar</i>	2021
<b>University of Illinois at Chicago</b> <i>Geometry, Topology and Dynamics Seminar</i>	2018
<b>The University of Heidelberg</b> <i>Conformal Field Theory Seminar</i>	2015

## PUBLICATIONS

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1. L. Schaposnik and S. Schulz. Triality of homogeneous polynomials. *SIGMA Symmetry Integrability Geom. Methods Appl.* 17 (2021), Paper No. 079

## TEACHING EXPERIENCE (TA)

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### At The University of Texas at Austin

Spring 2021	M408D	Sequences, Series, Multivariable Calculus
Fall 2020	M341	Matrices and Matrix Computations
Spring 2020	M340S	Matrices and Matrix Computations (for CS majors)
Fall 2019	UGS 303	From Numbers to Chaos
Spring 2019	M427J	Differential Equations and Linear Algebra
Fall 2018	M427L	Advanced Calculus for Applications II
Spring 2018	M427J	Differential Equations and Linear Algebra
Fall 2017	M427L	Advanced Calculus for Applications II
Spring 2017	M427L	Advanced Calculus for Applications II
Fall 2016	M408C	Differential and Integral Calculus

### At The University of Toronto

Winter 2012	Calculus 1
Winter 2012	Linear Algebra 1

### At The University of Heidelberg

*(In German)*

Summer 2014	Analytic Number Theory 1
Winter 2013	Complex Analysis 2
Summer 2013	Complex Analysis 1
Summer 2012	Higher mathematics for physicists 2
Winter 2011	Higher mathematics for physicists 3
Summer 2011	Complex Analysis 1
Summer 2010	Real Analysis 2
Winter 2009	Real Analysis 1

## LANGUAGES

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German	(Native)
English	(Fluent)
Spanish	(Conversational)
Russian	(Basic)