Kemal Samuel Rose

Curriculum Vitae

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Personal Data

Date of Birth	8.11.1994
Place of Birth	Einbeck
Nationality	German

Education

10/2018–today	**Master studies**, *TU Berlin*.
10/2015–09/2018	**Bachelor studies**, *TU Berlin*, certificate: bachelor of science.
10/2014–09/2015	**Orientierungsstudium MINTgrün**, *TU Berlin*.
08/2009–06/20014	**Integrierte Gesamtschule Göttingen**, certificate: abitur.

Bachelor thesis

title	"Semi-invariants of quiver representations in characteristic 0"
Supervisors	Professor Peter Bürgisser and Professor Mario Kummer
grade	1.1

Master thesis

title	"The non-Gorenstein locus of toric varieties"
Supervisors	Professor Peter Bürgisser and Professor Christian Haase
grade	Not graded yet

Work experience

09/2018–today	**student-assistant at TU Berlin**, developer for the software package HomotopyContinuation.jl.
09/2017–09/2018	**tutor at TU Berlin**, teaching Algebra and Analysis.

Preprints

- Certifying zeros of polynomial systems using interval arithmetic (2020 with Paul Breiding and Sascha Timme)

Selected seminar talks

- Seminar: Simplicial methods in algebraic topology. talk: Postnikov systems and minimal sets.
- Seminar: Polyhedral methods in algebraic geometry.

talk: Grassmannians and the space of trees.
- lecture: Arakelov theory.
  talk: Deformation to the normal cone.
- Seminar: Forschungsmodul Algebra (deformation theory)
  talk: Flatness via lifting syzygies and deforming complete intersections.
- Seminar: Forschungsmodul Algebra (tropical geometry and log-geometry)
  talk: Differentials with logarithmic poles
- Seminar: Forschungsmodul Algebra (T-varieties)
  talk: T-varieties