

PHD STUDENT · MATHEMATICS

Queen Mary University of London, Mile End Road, London E1 4NS

PHD Матнеми		Sep 2021 - present
	Primoz Skraba ompletion date: Sep 2025	
Australian Na	ational University (ANU)	
Bachelor of Philosophy (Honours) – Science		Feb 2017 - Nov 2020
	esis: "The Homology of Periodic Simplicial Complexes and their Quotient Spaces" esis advisors: Dr. Vanessa Robins and Dr. Martin Helmer	
Professio	nal Experience	
2022-	Teaching Assistant , Queen Mary University of London, School of Mathematical Sciences	
present 2020-2021	Teaching Assistant , Australian National University, Mathematical Sciences Institute	
Publication	ons	
Published		
	mholz, MR., Federrath, C. 2018. Numerical calibration of the HCN–star formation correlational Astronomical Society, Volume 479, Issue 2, September 2018, Pages 1702–1710.	on. Monthly Notices
PREPRINTS		
Onus, A., Rob	oins, V. 2022. Quantifying the homology of periodic cell complexes. arXiv preprint arXiv:22	.08.09223.
Awards, F	ellowships, & Grants	
Awards		
2023	QMUL Postgraduate Research Day: Prize for Best Poster , "The Homology of Periodic Spaces"	QMUL
STUDENTSH	IPS	
2021-2025 2017-2020	Heilbronn Institute for Mathematical Research Funded Studentship , PhD Scholarship National University Scholarship , Undergraduate Scholarship	QMUL ANU
Presentat Invited Tal		
	22. <i>Quantifying the homology of periodic cell complexe</i> s. EPFL Applied Topology Seminar, I de Lausanne.	École Polytechnique
August 2022.	Quantifying the homology of periodic cell complexes. London TDA Seminar, Queen Mary Ur	niversity of London.

CONTRIBUTED TALKS

Education _____

June 2022. Quantifying the homology of periodic cell complexes. ATMCS10, Oxford University.

January 2022. The Wonderful and Diverse World of Applied Topology. Queen Mary Internal Postgraduate Seminar (QuIPS).

Teaching ____ **QUALIFICATIONS** May 2023 **HEA Associate Fellowship**, Advance HE **EXPERIENCE** Spring '23 MTH4116 - Probability and Statistics I, IT Lab Demonstrator **OMUL** MTH5001 - Introduction to Computer Programming, IT Lab Demonstrator MTH5103 - Complex Variables, Coursework Marker Fall '22 MTH4107 – Introduction to Probability, Teaching Assistant MTH4114 - Computing and Data Analysis with Excel, IT Lab Demonstrator Spring '22 MTH4115 - Vectors and Matrices, Teaching Assistant MTH4116 - Probability and Statistics I, IT Lab Demonstrator Semester 1 Math2320 - Advanced Analysis 1: Metric Spaces and Applications, Teaching Assistant ANU '21 Summer Math1014 - Mathematics and Applications 2, Teaching Assistant 20 Semester 2 Math1014 - Mathematics and Applications 2, Teaching Assistant 20 Semester 1 Math1013 - Mathematics and Applications 1, Teaching Assistant 20 Outreach & Professional Development **OUTREACH** School of Mathematical Sciences, Curriculum Ambassador 2022-QMUL 2018-2020 Robogals Canberra, Lead Volunteer ANU **ORGANISING** Queen Mary Internal Postgraduate Seminar (QuIPS), Co-organiser of weekly seminars **OMUL** Non-binary mathematics seminar, One day event to celebrate non-binary mathematicians QMUL **PROGRAMMING LANGUAGES** Python • Macaulay2 Mathematica R

LANGUAGES

Sage

- English (native)
- German (A2)