

# Parth Shimpi

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Education	<b>PhD in Mathematics</b> , University of Glasgow Advisor Prof. Michael Wemyss.	Expected 2026
	<b>MMath (Part III)</b> , University of Cambridge Merit. Essay title ‘ <i>Derived equivalences in Algebra and Geometry</i> ’.	2022
	<b>BA in Mathematics</b> , University of Cambridge First class honours.	2021
Awards	<b>ERC Scholarship</b> , European Research Council Award towards doctoral education.	2022
	<b>Stephen Hawking Award</b> , Gonville and Caius College, Cambridge.	2021
	<b>Examination Prize</b> , Gonville and Caius College, Cambridge.	2019, 2021
	<b>Cambridge Trust Scholarship</b> , Cambridge Trust Award of £40,000 towards undergraduate education.	2018
	<b>Overseas scholarship</b> , Gonville and Caius College, Cambridge Award of £40,000 towards undergraduate education.	2018
Publications & preprints	Torsion pairs and 3-fold flops <i>Preprint.</i> arXiv:2502.05146	2025
	Simple complexes on a flopped curve <i>Preprint.</i> arXiv:2508.06437	2025
	Kleinian orbifolds, cohomological Hall algebras, and Yangians (Joint with F. Sala and O. Schiffmann) <i>Preprint.</i> arXiv:2511.08576	2025
Selected talks (invited)	Algebraic geometry seminar, University of Cambridge, <i>Cambridge</i> .	Nov 2025
	Mathematics–String theory seminar, Kavli IPMU, <i>Tokyo</i> .	Apr 2025
	Tokyo–Nagoya algebra seminar, University of Tokyo, <i>Tokyo</i> .	Apr 2025
	Algebraic geometry seminar, Tokyo Metropolitan University, <i>Tokyo</i> .	Apr 2025
	Algebraic geometry seminar, University of Liverpool, <i>Liverpool</i> .	Mar 2025
	Artin groups meet triangulated categories, MFO, <i>Oberwolfach</i> .	Jan 2024
(contributed)	Simple-mindedness, silting, and stability, <i>Ambleside</i> .	Jul 2024
Teaching & outreach	<b>Tutor and Demonstrator</b> , University of Glasgow Ran problem sessions for fourth year ( <i>Differential geometry</i> ), third year ( <i>Metric and topological spaces</i> ), and second year ( <i>Mechanics, Multivariable calculus, Mathematical methods and modelling, Linear algebra, Graph theory, Discrete mathematics</i> ) undergraduate mathematics courses.	2022–25
	<b>Tutor</b> , Count me in, University of Edinburgh Co-supervised (with Prof. Dhruv Ranganathan) two undergraduates through a six week research project on <i>Computing Euler characteristics of moduli spaces of line arrangements</i> .	2024
	<b>Tutor</b> , Sutton Trust Summer School, Cambridge Ran problem sessions, organised workshops, and conducted mock interviews for university applicants from underrepresented groups.	2019, 2021
Organisation	Glasgow–Edinburgh Algebra Research Seminar (GEARS).	2025
	Glasgow Algebra Pre-Seminar (GAPS).	2023, 2024
Other roles	<b>President</b> , The Archimedean (Cambridge University Mathematics Society).	2020, 2021
	<b>Social programme coordinator</b> , International Mathematics Olympiad.	2020, 2021

Suggested referees	<b>Prof. Michael Wemyss</b> ( <i>Ph.D. advisor</i> ) michael.wemyss@glasgow.ac.uk	University of Glasgow
	<b>Prof. Olivier Schiffmann</b> olivier.schiffmann@universite-paris-saclay.fr	Université de Paris-Saclay
	<b>Prof. Ailsa Keating</b> amk50@cam.ac.uk	University of Cambridge
	<b>Prof. Hokuto Uehara</b> hokuto@tmu.ac.jp	Tokyo Metropolitan University
	<b>Dr. Jon Woolf</b> jonathan.woolf@liverpool.ac.uk	University of Liverpool
	<b>Prof. Dhruv Ranganathan</b> ( <i>teaching reference</i> ) dr508@cam.ac.uk	University of Cambridge

Citizenship	Indian
Languages	English ( <i>native</i> ), Marathi ( <i>native</i> ), Hindi ( <i>fluent</i> )
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