

Yuchen Fu

CITIZENSHIP	China	
CONTACT INFORMATION	Research Institute for Mathematical Sciences, Oiwake-cho, Kitashirakawa, Sakyo-ku, Kyoto 606-8502 Japan	yfu@kurims.kyoto-u.ac.jp https://yfu.page/
RESEARCH INTERESTS	Geometric representation theory, homotopical algebra, derived algebraic geometry and applications to the geometric Langlands program	
EDUCATION	2017–2022	Harvard University, Cambridge MA Ph.D. in Mathematics, May 2022 Advisor: Dennis Gaitsgory Thesis: <i>An Extension of the Kazhdan–Lusztig Equivalence</i>
	2013–2017	Massachusetts Institute of Technology, Cambridge MA S.B. in Mathematics, Phi Beta Kappa, February 2017
EMPLOYMENT	2022–now	Research Institute for Mathematical Sciences, Kyoto Program-Specific Researcher Mentor: Tomoyuki Arakawa
PUBLICATIONS AND PREPRINTS	L. Chen and Y. Fu, <i>An Extension of the Kazhdan–Lusztig Equivalence</i> . arXiv: 2111.14606. Y. Fu and S. Shelley-Abrahamson, <i>A Family of Finite-Dimensional Representations of Generalized Double Affine Hecke Algebras of Higher Rank</i> , <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2016, Vol. 12, 055. arXiv: 1507.08365.	
HONORS AND AWARDS	Fall 2021	Rafael and Daniel Salem Fellowship, Harvard University
	July 2015	Hartley Rogers Jr. Prize, MIT Summer Program in Undergraduate Research
SELECTED INVITED TALKS	“Kazhdan–Lusztig equivalence at the Iwahori Level”, Representation Theory Seminar, University of Massachusetts Amherst, September 2021; Lie Groups Seminar, Massachusetts Institute of Technology, February 2022; Institute for Advanced Study in Mathematics, Zhejiang University, April 2022; Junior Physics and Geometry Seminar, University of Oxford, April 2022; Representation Theory Seminar, Research Institute for Mathematical Sciences, Kyoto University, June 2022 “Tutorial on groups acting on categories”, Winter school on local geometric Langlands theory, University Paris 7, January 2018	

ORGANIZATIONAL ACTIVITIES	2017-2019	<i>Graduate Student Seminar on Geometric Langlands</i> , Harvard University
TEACHING ACTIVITIES	Spring 2022	Teaching Assistant, <i>Math 22B: Vector Analysis and Linear Algebra</i> , Harvard University
	Fall 2020	Teaching Assistant, <i>Math 22A: Vector Calculus and Linear Algebra I</i> , Harvard University <i>Distinction in Teaching</i>
	Fall 2019	Teaching Assistant, <i>Math 23A: Linear Algebra and Real Analysis I</i> , Harvard University
	Fall 2018	Lecturer, <i>Math 21A: Multivariable Calculus</i> , Harvard University
REFERENCES	Dennis Gaitsgory (Harvard University) gaitsgde@math.harvard.edu	