

Irit Huq-Kuruvilla

Curriculum Vitae

Updated July 31, 2025

Email: irithk@vt.edu

Website: <https://irit.hk>

GitHub: <https://github.com/hk87304/>

Office: 626 中央研究院數學所

Citizenship: USA

Research interests Enumerative Geometry, Mathematical Physics

Employment	Academia Sinica, Institute of Mathematics	Taipei, Taiwan
	Postdoctoral Researcher	August 2025-present
Education	Virginia Tech Department of Mathematics	Blacksburg, VA
	Patricia Caldwell Postdoctoral Scholar	August 2023 – May 2025
	University of California Berkeley	Berkeley, CA
	PhD in Mathematics	August 2017 – May 2023
	Supervisor: Alexander Givental	
	Columbia University	New York, NY
	BA in Mathematics	August 2013 – May 2017

Honors and awards	NSF GRFP (National Science Foundation)	2018
	Science Research Fellowship (Columbia University)	2013

Selected Publications & Preprints	Quantum K-Rings of Partial Flags, Coulomb Branches, and the Bethe Ansatz	
	Irit Huq-Kuruvilla	
	arXiv 2101.09305	
	Relations in twisted quantum K-rings	
	Irit Huq-Kuruvilla	
	arXiv 2406.00916	
	Multiplicative Quantum Cobordism Theory	
	Irit Huq-Kuruvilla	
	arXiv 2101.09305	

Teaching	Instructor, Math, Virginia Tech	Fall 2023, Spring 2024, Fall 2024
	Math 3134: Applied Combinatorics	
	Graduate Student Instructor, Math (UC Berkeley)	2017-2018, Fall 2020
	Courses: Math 1A: Calculus, Math 1B: Calculus, Math 54: Linear Algebra & Differential Equations, Math 110: Linear Algebra	
	Teaching Assistant, Math (Columbia)	2014-2016
	Math GU4041: Intro to Modern Algebra I, Math UN3007: Complex Variables, Math UN3020: Number Theory & Cryptography	