

# Irit Huq-Kuruville

Curriculum Vitae

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**Office:** 1044 Evans Hall

**Citizenship:** USA

**Research interests** Enumerative Geometry, Gromov-Witten theory, Quantum  $K$ -theory

**Education** **University of California Berkeley** Berkeley, CA  
PhD in Mathematics August 2017 – Present  
Supervisor: Alexander Givental

**Columbia University** New York, NY  
BA in Mathematics August 2013 – May 2017

**Cornell University** Ithaca, NY  
Continuing Education program Aug 2012 – May 2013

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

**Publications & Preprints** **Multiplicative Quantum Cobordism Theory**  
Irit Huq-Kuruville  
arXiv 2101.09305

**Reeb Dynamics of the Link of the  $A_n$  Singularity**  
Leonardo Abbrescia, Irit Huq-Kuruville, Jo Nelson, Nawaz Sultani  
*Involve*, 2016.

**Teaching** **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, Computer Science (Columbia)** 2016-2017  
CSORW4231: Analysis of Algorithms, COMSW4236: Complexity Theory  
**Teaching Assistant, Math (Columbia)** 2014-2016  
Math GU4041: Intro to Modern Algebra I, Math UN3007: Complex Variables, Math UN3020: Number Theory & Cryptography

**References** Available upon request