

## ROBERT M. STRAIN

## SHORT CURRICULUM VITAE

Department of Mathematics  
University of Pennsylvania

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### ACADEMIC POSITIONS

- Professor of Mathematics, University of Pennsylvania 2014–present
- Member of the Institute of Advanced Study (School of Mathematics) Fall 2024
- Associate Professor (with tenure), University of Pennsylvania 2011–2014
- Calabi Assistant Professor Chair, University of Pennsylvania 2010–2011
- Assistant Professor (on leave 2008–2009), University of Pennsylvania 2008–2011
- Assistant Professor, Princeton University 2008–2009
- National Science Foundation Postdoctoral Fellow 2006–2009
- Benjamin Peirce Assistant Professor, Harvard University 2005–2008

### EDUCATION

Brown University, Division of Applied Mathematics, Providence, RI.  
*PhD in Applied Mathematics* May 2005  
New York University, College of Arts and Science, Courant Institute, New York, NY.  
*Bachelor of Arts, Mathematics (summa cum laude)* May 2000

### HONORS AND AWARDS

National Science Foundation (NSF) research grant (DMS-2408264), **PI** 2024–2027  
Good Teaching Award, Department of Mathematics, University of Pennsylvania 2022, 2023  
NSF research grant (DMS-2055271), **PI** 2021–2024  
NSF research grant (DMS-1764177), **PI** 2018–2022  
Invited Research Fellow at IHES July 2016  
NSF research grant (DMS-1500916), **PI** 2015–2019  
NSF research grant (DMS-1200747), **PI** 2012–2016  
Congressman McNerney speech, US House of Representatives June 2013  
Alfred P. Sloan Foundation Research Fellowship 2011–2013  
Invited Long-Term Research Fellow at ICERM, Brown University Fall 2011  
NSF research grant (DMS-0901463), **Principal Investigator (PI)** 2009–2013  
Good Teaching Award, Department of Mathematics, University of Pennsylvania 2011, 2020  
NSF Mathematical Sciences Postdoctoral Research Fellowship (DMS-0602513) 2006–2009  
Brown University, Division of Applied Mathematics, **Sigma Xi Prize** 2005  
Brown University, Professor R. Bruce Lindsay **Dissertation Fellowship** 2004–2005

### POSTDOCTORAL ADVISING

Eduardo García-Juárez (2018–2020), Zhenfu Wang (2017–2020), Maja Tasković (2016–2019), Tak Kwong Wong (2012–2016), Jonathan Luk (2012–2013), Vedran Sohinger (2011–2014), Keya Zhu (2009–2012).

### PHD ADVISING

Jae Ho Choi (PhD, 2024), Esteban Paduro (PhD, 2020), Neel Patel (PhD, 2017), Jin Woo Jang (PhD, 2016), Spencer Tofts (PhD, 2016).

### PROFESSIONAL MEMBERSHIPS

American Mathematical Society (AMS) 2017–present  
Society for Industrial and Applied Mathematics (SIAM) 2019–present

December 2, 2024