Daigo Ito

Curriculum Vitae daigoi@berkeley.edu Department of Mathematics, University of California, Berkeley 853 Evans Hall, Berkeley, CA 94720 https://daigoi.github.io/

Research interests	Derived categories of coherent sheaves in algebraic geometry, homologic			
	mirror symmetry, birational geometry			
Education	University of California, Berkeley	Berkeley, CA		
	Ph.D. in Mathematics	August 2021 – Present		
	Princeton University	Princeton, NJ September 2017 – May 2021		
	A.B. in Mathematics Se			
	esis: The Minimal Model Program and Resolution of cDV Singularity			
	Advisor: János Kollár			
	Coadvisor: Joaquín Moraga			
Honors and	Summer Fellowship (Dept. of Mathematics, UC Ber	keley)	2024	
scholarships	Phi Beta Kappa (Beta Chapter of New Jersey)		2021	
	Summer Project Fellowship (Dept. of Mathematics,	of Mathematics, Princeton Univ.) 2020		
	Summer Project Fellowship (Dept. of Mathematics,	Princeton Univ.)	2019	
	Yanai Tadashi Foundation Scholarship	201	17-2021	
Publications	Gluing of Fourier-Mukai partners in a triangular spectrum and bira-			
	tional geometry, preprint, arXiv:2309.08147, 2023.			
	A new proof of the Bondal-Orlov reconstruction using Matsui spectra			
	(j.w. Hiroki Matsui), preprint, arXiv:2405.16776, 2024	ł.		
Teaching experience	Teaching assistant (University of California, Berkeley)			
	Math 1B: Calculus	Fa	all 2021	
	Math 54: Linear Algebra and Differential Equations	Sprir	ng 2022	
	Math 1B: Calculus	Fa	all 2022	
	Math 1B: Calculus	Fa	all 2023	
	Math 1B: Calculus	Sprir	ng 2024	
	Math 16A: Analytic Geometry and Calculus	Fa	all 2024	
	Directed reading program (University of California, Berkeley)			
	Mentee: Vivasvat Vatatmaja	Sprir	ng 2024	
	Topics: Derived category of coherent sheaves on an elliptic curve			

	Mentee: Vivasvat Vatatmaja	Spring 2023		
	Topics: Model categories, sheaves on sites, and $\mathbb{A}^1\text{-}\text{homotopy}$	v theory		
Talks	Tensor triangulated geometry without tensors			
	Lancaster University, UK	July 2024		
	Reinterpretation of reconstruction theorems using Matsui spectra			
	University of Tokyo & Nagoya University, Japan	June 2024		
	Birational Geometry in Matsui spectrum			
	Tokyo University of Agriculture and Technology, Japan	June 2024		
	Symmetries on derived categories and reconstruction of elliptic curves			
	University of California, Berkeley, USA	October 2023		
Skills	Programming			
	译IEX, Java, Python, HTML, Mathematica.			
	Languages			
	English (fluent), Japanese (native), Chinese (conversational)			