Germán Stefanich

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Education

- PhD, University of California, Berkeley, 2021. Advisor: David Nadler.
- Licentiate, University of Buenos Aires, 2010-2016.

Research

- Tannaka duality and 1-affineness. arXiv:2311.04515
- Derived ∞-categories as exact completions. arXiv: 2310.12925
- Classification of fully dualizable linear categories. arXiv:2307.16337
- Joint appendix to "Classification of nondegenerate G-categories" by Tom Gannon. arXiv:2206.11247
- Higher quasicoherent sheaves. (PhD thesis)
- Higher sheaf theory I: Correspondences. arXiv: 2011.03027
- Presentable (∞,n)-categories. arXiv: 2011.03035

Teaching

- Postdoctoral Instructor, Mathematics Department, UT Austin, 2021-2024. Courses Taught: Math 365C Real Analysis I, Math 408C Differential and Integral Calculus I (4 semesters), Math 340L Matrices and Matrix calculations.
- Graduate student instructor, Mathematics Department, UC Berkeley, 2016-2021. Courses Taught: Math 215A Algebraic topology, Math 54 Linear Algebra and Differential equations (6 semesters), Math 32 Precalculus.
- Teaching Assistant, Mathematics Department, University of Buenos Aires, 2013-2015. Courses taught: Topology (2 semesters), Numerical Analysis for Biology, Algebra I, Analysis II, Numerical Analysis for Mathematics.

Invited Talks

- *Topological field theories via sheaf theory,* University of Iowa Geometry and Topology Seminar, March 2025.
- *Topological field theories via sheaf theory,* TU Munich Topology Seminar, March 2025.
- *Dualizability of derived categories of algebraic stacks,* University of Michigan Algebraic Geometry Seminar, February 2025.
- *Fully dualizable linear categories,* University of Chicago Topology Seminar, February 2025.
- *Fully dualizable linear categories,* Northwestern University Topology Seminar, February 2025.
- *Fully dualizable linear categories,* University of Hamburg Quantum Topology and Categorification Seminar, November 2024.
- *Tannaka duality and applications,* Modern Methods in Moduli Workshop, University of Luxembourg, November 2024.
- *Tannaka duality and categorified sheaf theory*, Shanghai Institute for Mathematics and Interdisciplinary Sciences Derived and Non-commutative Geometry Seminar, November 2024.
- *Tannaka duality and categorified sheaf theory,* SLMath (former MSRI) Noncommutative Algebraic Geometry Colloquium, March 2024.
- *Tannaka duality via 1-affineness,* UC Berkeley Geometric Representation Theory Seminar, March 2024.
- *Tannaka duality and categorical sheaves,* MIT Colloquium, December 2023.
- *Tannaka duality for algebraic 2-groups,* USC Topology Seminar, October 2023.

- *Tannaka duality for algebraic 2-groups*, Johns Hopkins Topology Seminar, September 2023.
- *Categorified sheaf theory and the spectral Betti Langlands TQFT,* Representation Theory Seminar, Academia Sinica, November 2021.
- *Categorification of the Radon Transform,* University of Buenos Aires Algebraic Geometry Seminar, September 2021.
- *Categorified Sheaf Theory and the Spectral Langlands TQFT,* MIT Lie Groups Seminar, March 2021.
- *Categorified Sheaf Theory in Topological Field Theory,* Johns Hopkins Topology seminar, March 2021.
- *Higher Sheaf Theory via Categories of Correspondences,* UT Austin Geometry Seminar, February 2021.
- *Categorified Sheaf Theory and the Spectral Langlands TQFT,* UW Madison Algebra and Algebraic Geometry seminar, October 2020.
- *Categorified Sheaf Theory and the Spectral Langlands TQFT,* Perimeter Institute Mathematical Physics seminar, March 2020.
- *Categorified Sheaf Theory and the Spectral Langlands TQFT,* UT Austin Geometric Representation Theory Seminar, January 2020.
- *Microlocalization of Sheaves of Categories*, Boston College Number Theory / Algebraic Geometry seminar, October 2019.

Awards and Scholarships

- UC Berkeley Ken Ribet—Lisa Goldberg dissertation award in algebra, 2021.
- UC Berkeley Outstanding Graduate Student Instructor Award 2019-2020.
- UC Berkeley Mathematics Department Spring 2019 Fellowship.
- In Libris Carpe Rosam Scholarship, granted by Argentina's National Academy of Exact, Physical and Natural Sciences, 2014.

Undergraduate Competitions

- First Place, Argentinian Collegiate Mathematical Competition CIMA and former Ernesto Paenza Mathematical Competition, 2010, 2013, 2014.
- Member of the team representing University of Buenos Aires at the ACM International Collegiate Programming Contest finals. Second place in Latin America, 49th overall. 2012.

High School Mathematical Competitions

- Silver Medals, International Mathematical Olympiad, 2008, 2009.
- Silver Medals, Iberoamerican Mathematical Olympiad, 2008, 2009.
- Gold Medals, Rioplatense Mathematical Olympiad, 2008, 2009.
- Gold Medals, Asian Pacific Mathematical Olympiad, 2008, 2009, and Silver, 2010.
- Argentina National Mathematical Olympiad Champion 2008, 2009, and Third Place, 2007.