

JESSE D. KEYES

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ACADEMIC POSITIONS

University of Kentucky, Lexington, KY

- Graduate Teaching Assistant

EDUCATION

University of Kentucky, Lexington, KY

- M.A. Mathematics

Eastern Kentucky University, Richmond, KY

- B.S. Mathematics

Budapest Semester in Mathematics, Budapest, Hungary

- Semester Abroad

1. INVITED TALKS

- AMS Special Session on Homotopy Theory and Algebraic K-Theory - Bredon Homology and The Burnside Mackey Functor (March 2025)

2. CONTRIBUTED TALKS

- Graduate Student Topology and Geometry Conference (GSTGC) - Bredon Homology and The Burnside Mackey Functor (April 2025)

3. SEMINAR TALKS

- University of Kentucky Topology Seminar
 - An Introduction to Bredon Homology Valued in Mackey Functors (Oct 2022)
 - The Picard Group of the C_n -Equivariant Stable Homotopy Category (April 2023)
 - The Bigraded Homotopy of C_2 -Equivariant $H\mathbb{A}$ (Oct 2023)
 - The Tate Method and Equivariant Eilenberg-MacLane Spectra (March 2024)
 - Bredon Homology and the Burnside Mackey Functor (January 2025)
- Eastern Kentucky University Math Symposium
 - An Introduction to Equivariant Stable Homotopy Theory (April 2023)
- eCHT Kan Seminar
 - Homotopy Theory and Model Categories (Sept 2023)

4. SEMINARS AND WORKSHOPS

- **Talbot Workshop - Topological Cyclic Homology of Ring Spectra** (Fall 24)
- **eCHT Research Workshop on Hopf Rings** (Summer 24)
- **eCHT Hopf Rings Seminar** (Spring 24)
- **eCHT Kahn Seminar** (Fall 23)
- **Equivariant Homotopy Theory in Context - Introduction to Equivariant Homotopy Theory** (Spring 25)

TEACHING EXPERIENCE

Primary Instructor:

- University of Kentucky
 - MA 113: Calculus 1 (Summer 2022)

Recitation Leader

- University of Kentucky
 - MA 113: Calculus 1 (Fall 2022)
 - MA 114: Calculus 2 (Spring 2023, 2024)
 - MA 213: Calculus 3 (Fall 2023)
 - MA 162: Finite Math & Its Applications - Lead TA (Spring 2025)

Grader

- University of Kentucky
 - MA 322: Matrix Algebra and Applications (Fall 2024)