Howard Beck
Curriculum Vitae

CONTACT INFORMATION

Howard Beck
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Cambridge, MA, 02139

WEBSITES

Personal: `https://www.mit.edu/~hbeck/`
GitHub: `https://github.com/howard-beck/`
LinkedIn: `https://www.linkedin.com/in/howard-beck/`

RESEARCH INTERESTS

Chromatic homotopy theory
Equivariant homotopy theory
Homological algebra

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA
B.S. in Pure Mathematics, expected May 2025
Humanities Concentration in Philosophy
GPA: 4.8/5.0

BASIS Tucson North, Tucson, AZ
High school diploma with High Honors

TALKS

(Upcoming) MIT/Harvard BabyTop Seminar — *December 3rd, 2024*

PREPRINTS

(In prep) *Chromatic blueshift conjecture: the simple case and an algebraic analogue* with Kyle Roke

RESEARCH EXPERIENCE

Restrictions on Ring Spectra Genera	*Summer 2024*
Markov Chain Mixing on Lie Groups	*Summer 2023, Fall 2023*
Directed Reading Program	*Winter 2022*
Depth Estimation from RGB Images	*Summer 2022*
Satellite Control Simulation	*Spring 2022*
Probabilistic Space Debris Modelling	*Fall 2021*
Deep Learning for Lunar Landing	*Spring 2021*

TEACHING EXPERIENCE

Undergraduate Assistant for 18.02	*Spring 2024*
Real Analysis Mentor	*Spring 2023*
Teaching Assistant for Calculus	*Fall 2020, Spring 2021*

LANGUAGES

Human: English (native), Spanish (also native), French
Computer: LaTeX, Python, MATLAB, Java, JavaScript, Lua, HTML

MISCELLANEOUS SKILLS AND HOBBIES

Rock climbing, running, fire spinning, figure skating, weight lifting