



RUMA

Rutgers Undergraduate Mathematics Association

presents...

WHAT IS HOMOTOPY THEORY?

A Lecture by Professor Ian Coley

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ABSTRACT:

Multivariable calculus naturally leads to the study of manifolds, spaces that look like our first friend \mathbb{R}^n . But what if we went the other way, where we stopped thinking about rigid spaces and starting thinking more floppily? I'll introduce you to homotopy theory: its origins, some cool little tools, and how it ties in with both algebra and geometry.

THURSDAY
FEBRUARY 3, 2022
HILL 525 AT 7:30 PM

**Pizza and refreshments will be served*

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