

INTRODUCTION TO TOPOLOGY, AND ITS APPLICATIONS TO COMPLEX DATA

A math talk by Assistant Professor Yogesh More

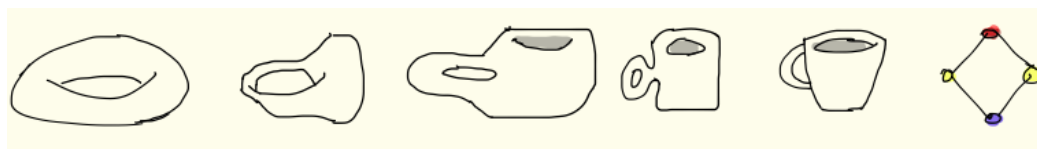
The branch of mathematics called **topology** is often described by the saying, “*A topologist is someone who cannot distinguish between a doughnut and a coffee cup.*”*

In this talk, I will introduce topology through some of the puzzles that gave rise to the subject 100 to 200 years ago. I will also describe how these old ideas have recently been used (by others) to find *shape*, and perhaps meaning, in complex data. I hope to discuss examples arising in biology or social science.

This talk is intended for a general audience and no significant mathematical background is required. **Lunch will be provided.**

Location: NAB 2125

Date and Time: October 15, Thursday 2:30 - 3:50 PM
Sponsored by: Division of Student Affairs



* If you are hoping to learn how to turn an actual coffee cup into an actual doughnut, or vice versa, topologists haven't yet figured that out and you will be disappointed. You'll have better luck asking someone in Chemistry and Physics, or in Dunkin Donuts.