

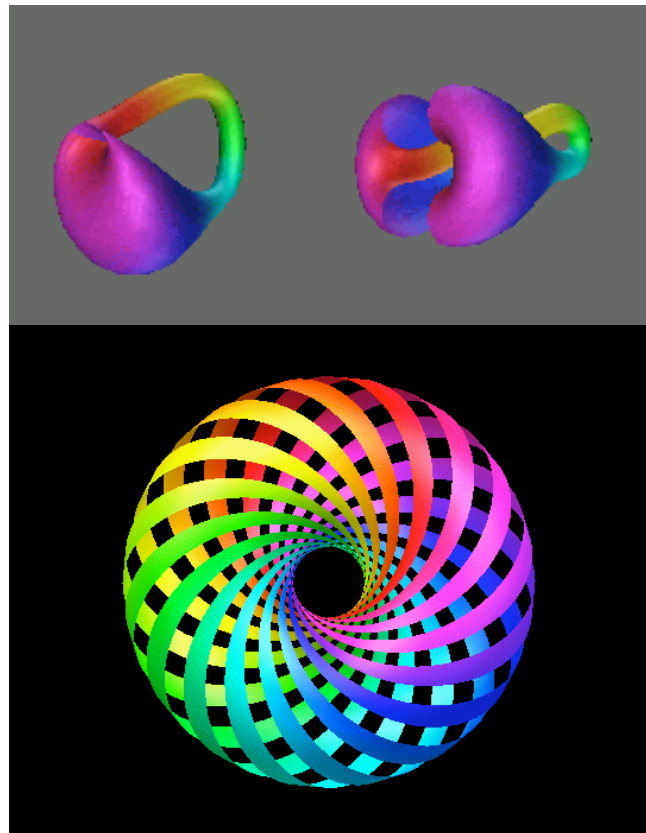
# The SUMO Speaker Series for Undergraduates

*(food from Pizza Chicago)*  
Wednesday, April 7  
4:40-5:30, room 380C

## The art of chopping up manifolds and gluing them back together

Professor Ralph Cohen

Abstract: Algebraic topologists study manifolds (smooth topological spaces) by assigning invariants to them, such as numbers, elements of a group, vector spaces, etc. These invariants should behave well with respect to slicing up manifolds and gluing manifolds together. In this talk I will give examples of these kinds of invariants, and show how they are classified in the case of manifolds of dimension one and two.



[sumo.stanford.edu/speakers](http://sumo.stanford.edu/speakers)