

# The SUMO Speaker Series for Undergraduates

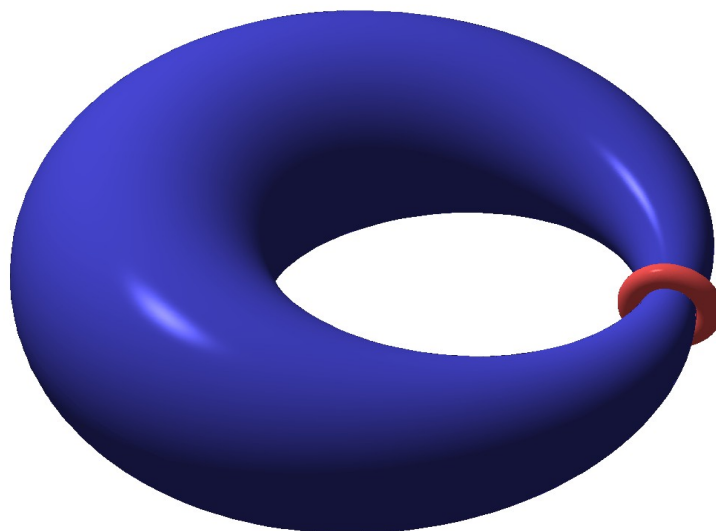
Thursday, November 29<sup>th</sup>

4:15-5:05, room 380C

*(Food Provided)*

## Isoperimetric and Systolic Inequalities

Otis Chodosh



### ABSTRACT:

The Kingdom you see is Carthage, the Tyrians, the town of Agenor;  
But the country around is Libya, no folk to meet in war.  
Dido, who left the city of Tyre to escape her brother,  
Rules here – a long and labyrinthine tale of wrong  
Is hers, but I will touch on its salient points in order...  
Dido, in great disquiet, organized her friends for escape.  
They met together, all those who harshly hated the tyrant  
Or keenly feared him: they seized some ships which chanced to be ready...  
They came to this spot, where today you can behold the mighty  
Battlements and rising citadel of New Carthage,  
And purchased a site, which was named “Bull’s Hide” after the bargain  
By which they should get as much land as they could enclose with a bull’s hide.  
-Virgil "The Aeneid"

I'll discuss one of the oldest mathematical problems and some related (more modern) ideas.

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