

The SUMO Speaker Series for Undergraduates

(food from Pizza Chicago)
Wednesday, October 7
4:15-5:05, room 380C

A well-rounded discussion of spheres

Professor Marty Weissman, UCSC



Abstract:

Volumes of n -dimensional spheres pop up across all fields of mathematics and physics, and their computation is often dismissed as a messy exercise in calculus, or else disguised by using the Gamma function. I'll discuss the computation of these volumes, using only calculus with polynomials. Towards the end of the talk, I will discuss a surprising connection to the Riemann zeta function and Euler's functional equation. Attendees will receive colorful handouts..

sumo.stanford.edu/speakers