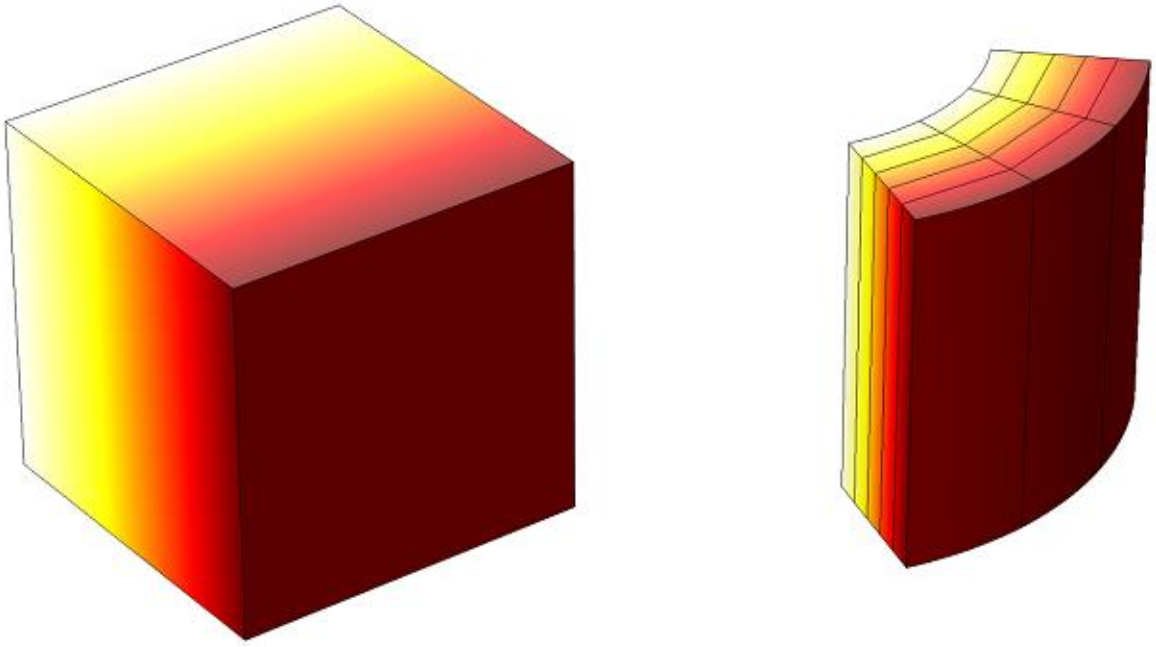
# The SUMO Speaker Series for Undergraduates

Thursday, January 22th
4:15-5:05, room 380C
(Food Provided)
A history of "large-scale" linear algebra and optimization



Professor Simon Brendle

**Abstract:**

I will begin by discussing the basic partial differential equation governing heat dissipation. I will then explain how the curvature of a curve or surface can behave in a way that is analogous to heat diffusion. This leads to nonlinear versions of the heat equation which turn out to have very interesting properties.

sumo.stanford.edu/speakers