

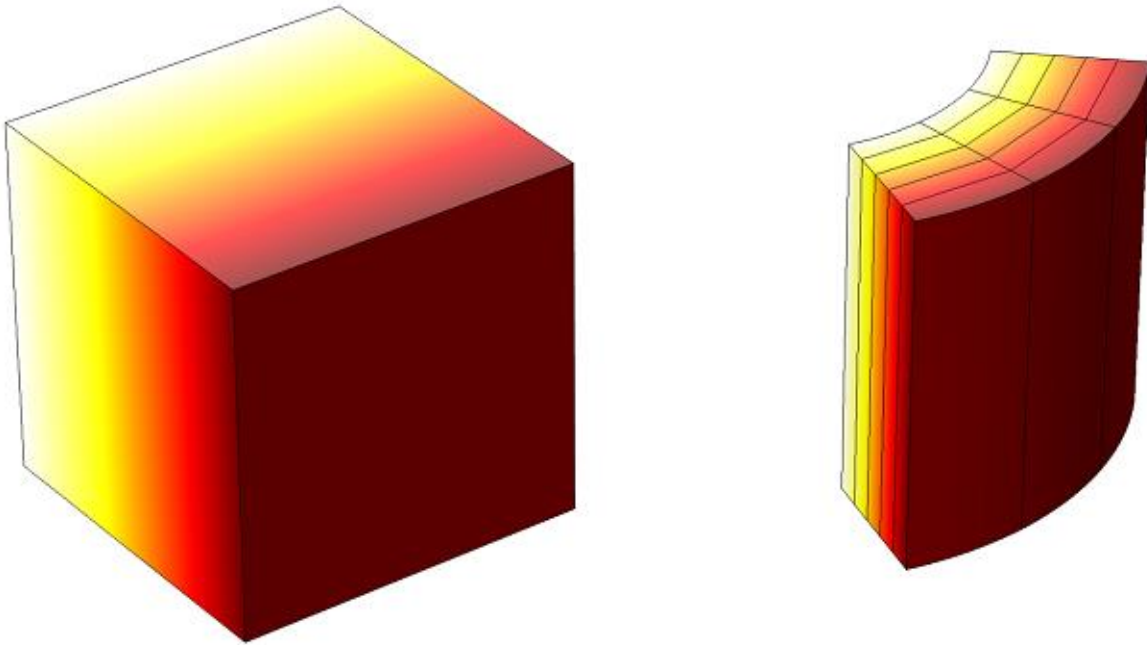
The SUMO Speaker Series for Undergraduates

Thursday, January 22th

4:15-5:05, room 380C

(Food Provided)

Heat diffusion and geometry



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.

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