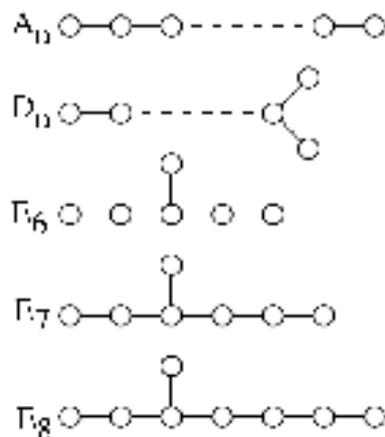# The SUMO Speaker Series for Undergraduates

(food from Pizza Chicago)
Wednesday, March 31
4:40-5:30, room 380C

What is an ADE classification?

Professor Anthony Licata

Abstract: The classification of the Platonic solids, known to the ancient Greeks, is the first example of an ADE classification, meaning that there is a correspondence between the Platonic solids and certain finite graphs known as simply-laced Dynkin diagrams.   It turns out that these Dynkin diagrams show up in many different mathematical contexts. As a result, many interesting collections of mathematical objects are organized by an ADE classification; moreover, different ADE classifications are related to each other in interesting ways. This talk will introduce some ADE classifications, beginning with the Platonic solids, and describe some relationships between different ADE classifications.

sumo.stanford.edu/speakers