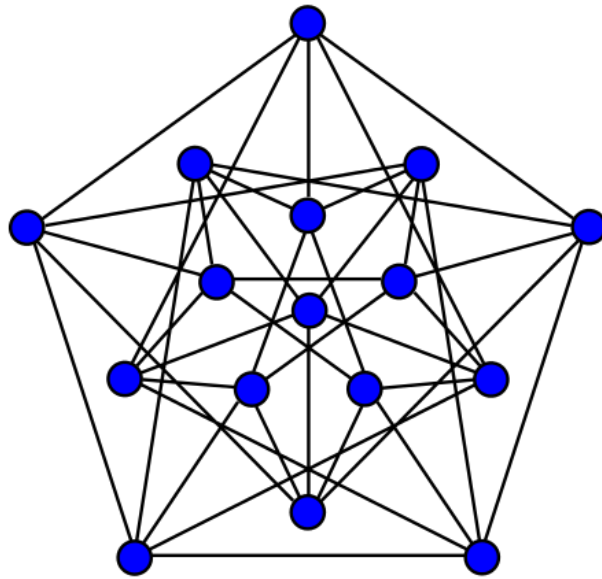# The SUMO Speaker Series for Undergraduates

Thursday, January 7th
4:30 – 5:20pm, Bldg. 380, room 384H

(Food Provided)

Ramsey Theory: Order from Disorder

Professor Jacob Fox

Abstract

Ramsey theory refers to a large body of deep results in mathematics whose underlying philosophy is captured succinctly by the statement that "Every very large system contains a large well-organized subsystem." Ramsey numbers capture how very large the system should be in order for this to be true. Despite much attention, Ramsey numbers are generally not well understood. This talk will discuss some of the major results and problems in this area.

sumo.stanford.edu/speakers/