

Thursday, March 17, 2016
4:30–5:20 p.m.
SAS 2102

How Ramsey ruined parties forever

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They say there are few **unavoidable things** in life- e.g. taxes (and finals!). In mathematics, however, unavoidable things are rather common. In 1930, F. P. Ramsey found a particularly beautiful case of unavoidability which has deep implications for number theory, combinatorics, **information theory** and many other fields. In this SUM talk, we will get to know how graphs, Ramsey theory and the **probabilistic method** tell us another unavoidable thing in life: namely, why large parties will always be awkward for some of the guests. This talk will not assume any prior knowledge in **graph theory** and will be accessible to all undergraduates.

NCSU Society for Undergraduate Mathematics

SUM Series
Mathematics and pizza!