

Math Colloquium

Wednesday Nov 19th, 2014
3:00 pm-3:50 pm in Hume 331



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Higher Order Tournaments

ABSTRACT

It is well known that a tournament (complete oriented graph) on n vertices has at most $1/4 \binom{n}{2}$ cyclic triangles, and that the constant $1/4$ is best possible. Motivated by some geometric considerations, our aim is to consider some ‘higher order’ versions of this result. No knowledge of tournaments will be assumed.