

# Alexander Schaefer (Binghamton)

## Balanced Non-Transitive Dice

### Abstract for the Combinatorics Seminar 2011 September 6

Given dice A and B, we say A beats B if the probability of A's winning a random throw is greater than .5. It is possible for three n-sided dice labeled by the numbers 1 to 3n to have the property that A beats B, B beats C, and C beats A. There is a known upper bound on the probabilities, which need not all be equal. I will discuss how to make them equal and how to approach the upper bound. I will also discuss generalizations to four or more dice.

---

From:

<http://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics,  
Binghamton University**

Permanent link:

<http://www2.math.binghamton.edu/p/seminars/comb/abstract.201109sch>



Last update: **2020/01/29 19:03**