Hua Wang

Everything that counts in Colonel Blotto's game

by Hua Wang
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A Blotto game, Colonel Blotto game, or divide-a-dollar game is a type of two-person zero-sum game in which the players are tasked to simultaneously distribute limited resources over several objects (or battlefields). In the classic version of the game, the player devoting the most resources to a battlefield wins that battlefield, and the gain (or payoff) is then equal to the total number of battlefields won. In this talk, starting from the Colonel Blotto's game, a topic in Game Theory, we consider simple mathematical questions one may ask in various related scenarios.

Hua Wang finished his graduate work in Mathematics at the University of South Carolina in 2005. He joined Georgia Southern University in 2008, where he now serves as a director for the College of Science and Mathematics Office of Undergraduate Research and the program coordinator for the MS degree in Mathematical Sciences.

Friday 4th October 2019
4:00 pm
LC 310

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