

Title: Rigor in the chicken game – some proofs and ideas

Abstract: In the generalized chicken game  $n$  players all want to receive a reward which is only given out if at least  $k$  players invest their endowment. Despite wanting the reward, no one wants to be an investor if they can help it. We will prove some results about Nash equilibria in this game and discuss issues that arise while attempting to select one of the many. The talk should be accessible to undergraduate students, and as usual, all are welcome to attend.