

Department of Applied Mathematics and Statistics  
The Johns Hopkins University

STUDENT SEMINAR

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**Tuesday**, April 18, 2006  
304 Whitehead Hall  
4:00 p.m.

**EQUILIBRIUM CONCEPTS IN TWO-PLAYER GAMES**

ABSTRACT

This talk will discuss the concept of equilibrium strategies in two-player games. In particular, we shall introduce the concept of a Nash equilibrium, and demonstrate how to find one for games where each player has a finite number of strategies using the Lemke–Howson algorithm. We shall then consider other notions of equilibrium, as well as when and how a game should be perturbed in order to make them enforceable.