



Speaker: Steve VanDenDriessche
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Monday, May 2, 2011
4:15 PM
229 Hayes-Healy Hall

Title: Games, Determinacy, and Descriptive Set Theory

Abstract:

We will discuss a formalization of two-person games of perfect information. Chess, Go, and checkers are a few examples of these games. Given the formalization, we see that these games are determined. Namely, one of the players must have a winning strategy! We will then see how this formalization naturally extends to infinite games, and discuss determinacy in this context. We will finish with an application of a determinacy result.