

CENTRAL MICHIGAN UNIVERSITY
Department of Mathematics
GRADUATE STUDENT
SEMINAR

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COMBINATORIAL GAME THEORY

Tuesday, November 15, 4:00 pm - 5:00 pm
Pearce Hall, Room 227

Combinatorial Game Theory is a branch of mathematics that studies strategies and mathematics of two-player no-chance games of perfect knowledge. These are games in which two players alternate moves, chance is not involved, and the state of the game and the set of available moves is always known by both players. In this talk we will take a look at some of these games which can be analyzed mathematically for optimal play. Some of the games we will talk about are: Nim games, Chomp, Hackenbush, and Omega.