

# Combinatorics Seminar

Thursday, February 6, 2003

3:00 pm in Hume 331

**Dr. Haidong Wu**

Department of Mathematics  
The University of Mississippi

## Chords in Graphs

### ABSTRACT

An edge  $e$  is a chord of a cycle  $C$  if  $E(C)$  can be partitioned into two sets  $C_1$  and  $C_2$  such that both  $C_1 \cup \{e\}$  and  $C_2 \cup \{e\}$  are cycles. We characterize all simple graphs such that each edge is a chord of some cycle.