1035-05-544 **Eric Lars Sundberg*** (sundberg@oxy.edu), 1600 Campus Rd, Los Angeles, CA 90041. *Extremal systems for the fair and biased Erdős–Selfridge theorem.*

Positional game theory studies combinatorial games of complete information. It is perhaps easiest to think of positional games as generalizations of tic-tac-toe where the game board is an arbitrary hypergraph. A pivotal result in positional game theory is the Erdős–Selfridge theorem which gives simple criteria for when there exists an explicit strategy for the second player to force a draw. We will discuss the extremal systems for the Erdős–Selfridge theorem and its generalization for biased positional games. (Received September 10, 2007)