



ICECA

International Conference
Enumerative Combinatorics and Applications
University of Haifa – Virtual – September 6-7, 2022

PARKING FUNCTIONS AND COMBINATORIAL GAMES

PAMELA E. HARRIS

Department of Mathematics and Statistics, Williams College, Williamstown, USA

We begin this talk by introducing parking functions and results related to their enumeration. One result will establish a bijection between parking functions with displacement one and the set of ideal states on the Tower of Hanoi game. We then consider a variety of generalizations of parking functions including L-interval (rational) parking functions, which are related to Fubini competitions, and MVP parking functions, which yield a connection to permutations avoiding certain patterns. The talk will conclude with further directions and open problems in this area.