
GRIFFIN BARTLETT, Memorial University of Newfoundland
The Lamplighter Game on Paths with Complete Lamps

Lamplighter graphs are a class of finite graphs exhibiting exotic geometries. We establish non-trivial upper and lower bounds on the cop number of lamplighter graphs by considering retracts of these graphs, and we provide a linear upper bound on the cop number of a certain subclass of lamplighter graphs by considering the Lamplighter Game played on paths of finite length.