Slippery Rock University
Department of Mathematics and Statistics

Presents

Katherine Perry, PhD
Assistant Professor
Department of Science and Mathematics
Soka University of America

"Antimagic labelings and orientations of graphs"

Abstract

An antimagic labeling of a graph G with m edges is a bijection $\tau : E(G) \to \{1, 2, \ldots, m\}$ such that for any distinct vertices u and v, the sum of labels on edges incident to u differs from that for edges incident to v. A graph is antimagic if it has an antimagic labeling. Hartsfield and Ringel introduced antimagic labelings in 1990 and conjectured that every connected graph other than K_2 is antimagic. In this talk, we will look at recent progress towards this conjecture, antimagic orientations of digraphs, and other types of graph labelings.

Friday, October 11th
VSC 201
3:00 p.m.
Students are welcome!