

# The Swapping Number of a Graph

Steven J. Rosenberg, University of Wisconsin, Superior

Dalibor Froncek, University of Minnesota Duluth

Amy Hlavacek, Saginaw Valley State University\*

## **Abstract**

We define the swapping number of an arbitrary simple graph, which involves the weakening of the concept of a graph automorphism. We proceed to classify all 1-swapable trees.