

# An Algorithm for Finding Disjoint Paths in the Alternating Group Graph, Part 2

Jeffrey Boats      Lazaros Kikas      \*Mithra Koyyalamudi  
John Oleksik  
University of Detroit Mercy

## **Abstract**

In this talk we present an algorithm and a graphical interface for finding disjoint paths in the alternating group graph  $A_n$ . The algorithm takes advantage of the symmetric and algebraic structure of the graph.