

GRADUATE SEMINAR

Ryan Bergen

Calculating and Preserving Star Sets and Star Complements of Graphs

PhD Student supervised by Dr. Shaun Fallat

November 28th, 2016

1:30 pm

Math Lounge (307.20)

Abstract

The concept of star sets and star complements of graphs will be introduced, as well as two different methods to calculate star sets. While the first method is fairly well known, the second method was found more recently and will be explained in more detail. Finally, other matrices related to the adjacency matrix of a graph that preserve the graph's star sets and star complements will be examined.