



Discrete Mathematics Seminar

Time: Friday, 19 February 2016, 2:15 – 3:15 PM
Location: 237 Derrick Hall
Title: Bounding the Connected Forcing Number of a Graph
Speaker: Mr. Randy Davila, Department of Mathematics

Abstract:

In this talk we give various relationships between the forcing number (zero forcing number), connected forcing number, domination number, connected domination number, and power domination number. Moreover, we resolve a conjecture of Davila and Kenter in the affirmative, and give an outline of the proof. Lastly, we pose a conjecture which relates the girth of a graph with its forcing number.