The relationship between zero forcing and vertex covers

Michael Young, Carnegie Mellon University

In this talk we prove a conjecture formulated by the automated conjecturing program called *TxGraffiti*. The conjecture states that in a claw-free graph, the vertex cover number of the graph is at least the zero forcing number of the graph. We also prove a relationship between the zero forcing number of a connected subcubic graph.

Keywords: Zero Forcing, Vertex Covers, TxGraffiti