

On Gallai-Ramsey Numbers of Complete Bipartite Graphs

Seth Gutierrez, Georgia Southern University

Gallai-Ramsey numbers consider edge-colorings of complete graphs that contain no rainbow triangles. Within such graphs, we look for specific monochromatic subgraphs. In this talk, the monochromatic subgraphs we search for are complete bipartite graphs. We discuss the bounds on the number of vertices needed to find such subgraphs, regardless of how the edges are colored.

Keywords: Gallai-Ramsey, edge-colorings, complete bipartite graphs