

## Copwin edge critical graphs

In the game of Cops and Robber, a cop tries to apprehend a robber as they move along edges of a graph. A Copwin Edge Critical graph, with respect to edge addition (deletion), is a graph that is not Copwin, but the addition (deletion) of any edge results in a Copwin graph. In this talk, I will discuss properties of Copwin Edge Critical graphs and give a characterization of those that are also planar.