

A proper coloring of a graph G is an assignment of colors to the vertices of G such that adjacent vertices are not assigned the same color. A star coloring of a graph is a proper coloring such that no path on four vertices is colored using just two colors. In this talk, we will discuss star colorings of planar graphs. The talk will cover current known results, some recent developments, and unsolved star coloring problems. The emphasis will be on the recent developments made by the presenter.