

Star coloring of sparse graphs

André Raspaud
Université de Bordeaux I
France

Abstract

A proper coloring of the vertices of a graph is called a *star coloring* if the union of every two color classes induce a star forest. The star chromatic number $\chi_s(G)$ is the smallest number of colors required to obtain a star coloring of G . In this talk we will present bounds of $\chi_s(G)$ for sparse graphs.