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Craig M. Timmons* (ctimmons@csusm.edu). *Star coloring planar graphs.*

A *star coloring* of a graph is a proper coloring such that no path on four vertices is colored using just two colors. The *star chromatic number* of a family of graphs is the minimum number of colors needed to star color any graph in the family.

This talk presents the best known upper bounds and lower bounds on the star chromatic number for various families of planar graphs. (Received September 19, 2007)