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Vaidy Sivaraman* (vsivaraman@math.msstate.edu). *Ch-boundedness: A tale of two invariants*. Preliminary report.

The relationship between the chromatic number and the clique number of a graph is very interesting, and gave rise to the theory of perfect graphs. Andras Gyarfás proposed to study graph classes in which the chromatic number of every graph in the class is bounded by some (fixed) function of its clique number, called chi-bounded classes. I will survey some recent developments in the area. (Received August 20, 2019)