

Extending precolorings to list-colorings

Joan Hutchinson
Macalester College
USA

Joint work with
M.O. Albertson

Abstract

Answering some questions of C. Thomassen, results are known on extending precolorings to colorings of an entire graph. Similarly list-colorings are sought that extend pre-list-colorings. Using recent work of A. Pruchnewski and M. Voigt we consider results in which precolorings are extended to list-colorings of the entire graph for planar graphs, bipartite graphs, K_4 - and K_5 -minor-free graphs.