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List 2-distance $(\Delta + 1)$ -coloring of planar graphs with given girth. (Russian) [Zbl 1249.05114](#)
Diskretn. Anal. Issled. Oper., Ser. 1 14, No. 3, 13-30 (2007).

Summary: Some sufficient conditions (in terms of the girth and maximum degree) are given for the list 2-distance chromatic number of a planar graph with maximum degree Δ to be equal to $\Delta + 1$.

MSC:

05C15 Coloring of graphs and hypergraphs

05C10 Planar graphs; geometric and topological aspects of graph theory

05C12 Distance in graphs

Cited in **15** Documents

Keywords:

undirected graph; list 2-distance coloring