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Some upper bounds on the total and list chromatic numbers of multigraphs. (English)

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J. Graph Theory 16, No. 5, 503-516 (1992).

Summary: We discuss some estimates for upper bounds on a number of chromatic parameters of a multigraph. In particular, we show that the total chromatic number for an n -order multigraph exceeds the chromatic index by the smallest t such that $t! > n$.

MSC:

05C15 Coloring of graphs and hypergraphs

05C35 Extremal problems in graph theory

Cited in 42 Documents

Keywords:

upper bounds; chromatic parameters; multigraph; total chromatic number; chromatic index

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