

FORBIDDEN INDUCED SUBGRAPH CHARACTERIZATIONS OF SUBCLASSES AND VARIATIONS OF
PERFECT GRAPHS

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A graph is perfect if the chromatic number is equal to the clique number for every induced subgraph of the graph. Perfect graphs were defined by Berge in the sixties.

In this survey we present known results about partial characterizations by forbidden induced subgraphs of different graph classes related to perfect graphs.

We analyze a variation of perfect graphs, clique-perfect graphs, and three subclasses of perfect graphs, coordinated graphs, balanced graphs, and neighborhood perfect graphs.