Abstract

Let $G = (V, E)$ be a simple graph. Let $S$ be a maximum independent set of $G$. A subset $T$ of $S$ is called a forcing subset if $T$ is contained in no other maximum independent subset in $G$. The independent forcing number of $S$ denoted by $f_I(G, S)$ is the cardinality of a minimum forcing subset of $S$. The independent forcing number of $G$ is the minimum of the independent forcing
Forcing Independent Spectrum in Graphs

number of S, where S is a maximum independent subset in G. The independent forcing spectrum of G denoted by SpecI(G) is defined as the set SpecI(G) = {k : there exists a maximum independent set S of G such that fI(G, S) = k}. In this paper, a study of SpecI(G) is made.

Reference

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Index Terms

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Key words

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