

Speckenmeyer, Ewald

On feedback vertex sets and nonseparating independent sets in cubic graphs. (English)

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A subset F, J of nodes of G (undirected, connected with n nodes) is a FVS (feedback vertex set) if $G-F$ is a forest, a NSIS (nonseparating independent set) if no two nodes of J are adjacent and $G-J$ is connected, respectively. The equation $f(G) = n/2 - z(G) + 1$, where f, z denotes the cardinality of min FVS, max NSIS, respectively, and two new upper bounds for $f(G)$ are derived for cubic graphs G .

Reviewer: J.Štulc

MSC:

05C35 Extremal problems in graph theory

Cited in **2** Reviews
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References:

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