Speckenmeyer, Ewald

On feedback vertex sets and nonseparating independent sets in cubic graps. (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.

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