

عنوان مقاله:

On the double bondage number of graphs products

محل انتشار:

فصلنامه معادلات در ترکیبات, دوره 8, شماره 1 (سال: 1398)

تعداد صفحات اصل مقاله: 9

نویسندگان:

Hamidreza Maimani

Zeinab Koushki - *Mathematics, research and science, tehran*

خلاصه مقاله:

A set D of vertices of graph G is called $\text{\$double\$ dominating\$ set\$}$ if for any vertex v , $|N[v] \cap D| \geq 2$. The minimum cardinality of $\text{\$double\$ domination\$}$ of G is denoted by $\gamma_d(G)$. The minimum number of edges E such that $\gamma_d(G \setminus E) > \gamma_d(G)$ is called the double bondage number of G and is denoted by $b_d(G)$. This paper determines that $b_d(G \vee H)$ and exact values of $b_d(P_n \times P_2)$, and $b_d(G \cdot H)$ for the generalized corona product of graphs.

کلمات کلیدی:

bondage number, double domination, double bondage number

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<https://civilica.com/doc/1194874>

