ON THE EXISTENCE OF INDEPENDENT $[J, K]$-DOMINATING SETS IN THE GENERALIZED CORONA OF GRAPHS

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The concept of $[j, k]$-dominating sets in graphs have been introduced in [1]. Let j and k be non-negative integers. A subset $S \subseteq (G)$ is a $[j, k]$-dominating set if every vertex $v \in V(G) \backslash S$ is adjacent to at least j but not more than k vertices in S. The research on this concept was extended to the problem of existence of independent $[j, k]$-dominating sets.

In the talk we present some results concerning the problem of the existence of independent $[j, k]$-dominating sets in the generalized corona of graphs, for arbitrary positive integers j and k.

References

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