

PACKING PARAMETERS IN GRAPHS

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Abstract

In a graph $G = (V, E)$, a non-empty set $S \subseteq V$ is said to be an open packing set if no two vertices of S have a common neighbour in G . An open packing set which is not a proper subset of any open packing set is called a maximal open packing set. The minimum and maximum cardinalities of a maximal open packing set are respectively called the lower open packing number and the open packing number and are denoted by ρ_L^o and ρ^o . In this paper, we present some bounds on these parameters.

Keywords: packing number, open packing number.

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