

## 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  $\rho_L^o$  and  $\rho^o$ . In this paper, we present some bounds on these parameters.

**Keywords:** packing number, open packing number.

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