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

Keywords: packing number, open packing number.

2010 Mathematics Subject Classification: 05C70.

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doi:10.2140/pjm.1975.61.225
doi:10.1016/0012-365X(91)90316-T

Received 25 February 2013
Revised 17 September 2013
Accepted 9 December 2013