Combinatorial Properties of Graphs with $(K, \tau)$-Regular Star Set

Milica Andjelić

*University of Aveiro*

*Portugal*

A set of vertices $S \subseteq V(G)$ is $(k, \tau)$-regular if it induces a $k$-regular subgraph of $G$ such that $|N_G(v) \cap S| = \tau$, for all $v \notin S$. Here, for certain class of graphs, we identify which $(k, \tau)$ regular set can be a star set as well. Combinatorial properties of this kind of graphs are deduced.