

ON MINIMUM (K_q, k) STABLE GRAPHS

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A graph G is a (K_q, k) vertex stable graph ($q \geq 3$) if it contains a K_q after deleting any subset of k vertices ($k \geq 0$). We are interested by the $(K_q, \kappa(q))$ vertex stable graphs of minimum size where $\kappa(q)$ is the maximum value for which for every nonnegative integer $k < \kappa(q)$ the only one (K_q, k) vertex stable graph of minimum size is K_{q+k} .

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