

# SUFFICIENT CONDITIONS FOR THE EXISTENCE OF TWO DISJOINT INDEPENDENT DOMINATING SETS

OLIVER SCHAUDT

We present some sufficient conditions for the existence of two disjoint independent dominating sets. First, we give a sufficient condition in terms of forbidden induced subgraphs, using a connection to the theory of structural total domination. Second, we prove that every 2-terminal series-parallel graph has two disjoint independent sets.