

MAXIMUM NULLITY OF SOME GENERALIZED PETERSEN GRAPHS

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Maximum nullity of a graph is defined as the largest nullity among symmetric matrices that respects the adjacency pattern of the graph. The zero forcing number is a combinatorial upper bound for the maximum nullity, so a natural question is when does equality hold. This question has been answered for many classes of graphs, but we focus on the generalized Petersen graphs. Equality has been proven for a couple of subfamilies and we prove it for additional cases, closing the case $P(n,2)$.