



# SEMINARIUM MATEMATYKA DYSKRETNA

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## DOUBLY EXTREMAL GRAPHS IN DOMINATION THEORY

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The topic stems from my recent publication: Z.S., Majorization and the minimum number of dominating sets, DAM 165 (2014) 295–302.

Among  $n$ -vertex forests without edge/vertex isolates for  $n > 9$  and  $n \neq 38$ , there is a unique UDSS (union of disjoint subdivided stars) which has the largest [smallest] number of efficient [total] dominating sets. Hence the two extremized domination counts, max-efficient and min-total, are dual in a sense.