

Generalized Petersen graphs $GP(n, k)$ were first studied by Coxeter in 1950. Various properties of $GP(n, k)$ have been recently widely investigated in areas: isomorphism classes, distance-balanced property, strongly distance-balanced property, domination number, minimum vertex cover, Hamilton connectivity, etc.

In this talk we consider the problem of determining the metric dimension of generalized Petersen graphs. For some special cases ($k \leq 2$) the exact solutions are found, while for the other cases the tight lower bounds are given. (Joint work with Mirjana Čangalović and Vera Kovačević-Vujčić.)