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Joseph Fox* (joseph.fox@salemstate.edu), **Raluca Gera** and **Pantelimon Stanica**. *The Independence Number for the Generalized Petersen Graphs.*

Given a graph G , an independent set $I(G)$ is a subset of the vertices of G such that no two vertices in $I(G)$ are adjacent. The independence number $\alpha(G)$ is the order of a largest set of independent vertices. In this talk, we discuss the independence number for the Generalized Petersen graphs. We present sharp bounds and exact results for subclasses of these graphs. (Received September 11, 2011)