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Ajay Arora* (ajayarora1235@gmail.com) and **Eddie Cheng**. *Matching preclusion of the generalized Petersen graph.*

The matching preclusion number of a graph with even number of vertices is the minimum number of edges whose deletion results in a graph with no perfect matchings. In this talk, we discuss the matching preclusion problem for the generalized Petersen graph $P(n, k)$. (Received January 05, 2018)