1146-05-184 **Jessica McDonald***, mcdonald@auburn.edu, and **Gregory J Puleo** and **Elliot Krop**. *Upper bounds for inverse domination in graphs.*

In any graph G, the domination number $\gamma(G)$ is at most the independence number $\alpha(G)$. The *Inverse Domination Conjecture* says that, in any isolate-free G, there exists a pair of vertex-disjoint dominating sets D, D' with $|D| = \gamma(G)$ and $|D'| \leq \alpha(G)$. In this talk we will prove a new approximation to the conjecture, and expand the category of graphs for which the conjecture is known to be true. (Received January 21, 2019)