

1145-VP-2888 **Allan E Bickle*** (aub742@psu.edu). *Independence Number of Maximal Planar Graphs.*

We show that for a maximal planar graph G with order $n \geq 4$, the independence number satisfies $\frac{n}{4} \leq \alpha(G) \leq \frac{2}{3}n - \frac{4}{3}$.

We show the lower bound is sharp and characterize the extremal graphs for the upper bound. (Received September 25, 2018)