# Independence Number of Maximal Planar Graphs

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It is known that for a maximal planar graph $G$ with order $n \geq 4$, the independence number satisfies $\frac{n}{4} \leq \alpha(G) \leq \frac{2n-4}{3}$. We show the lower bound is sharp and characterize the extremal graphs for $n \leq 12$. For the upper bound, we characterize the extremal graphs of all orders.

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