THE INDEPENDENCE NUMBER OF A MAXIMAL OUTERPLANAR GRAPH

Thomas M. Lewis, Furman University, Greenville, SC, USA, tom.lewis@furman.edu

We show that the expected size of the independence number of a maximal outerplanar graph on n vertices is asymptotic to $(1 - e^2)n/2$ as $n \to \infty$. We also show that there is a corresponding strong law of large numbers.