

1030-05-72

Yue Zhao* (yzhao@pegasus.cc.ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816. *On Vizing's Independence Number Conjecture of edge chromatic critical graphs.*

In 1968, Vizing conjectured that if G is a Δ -critical graph with n vertices, then $\alpha(G) \leq \frac{n}{2}$, where $\alpha(G)$ is the independence number of G . In this talk, we will talk about the progress towards this conjecture. (Received July 17, 2007)