

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  $\Delta$ -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)