1080-05-93   **Rong Luo*** (`rluo@mtsu.edu`), Department of Mathematical Sciences, Middle Tennessee State University, Murfreesboro, TN 37130. *The size of edge chromatic critical graphs.*

Vizing conjectured in 1968 that for each edge chromatic critical G with maximum degree Δ, $m \geq \frac{1}{2}\{n(\Delta-1)+3\}$ where m and n are the numbers of edges and vertices, respectively. In this talk, we will present a new lower bound on the size of critical graphs. This is joint work with Yue Zhao.