

1106-VN-2084 **Meng Zhang*** (mzhang4@mix.wvu.edu), 320 Armstrong Hall, P.O. Box 6310, West Virginia University, Morgantown, WV 26505. *Spanning trail with Independence number.*

An independent set S of graph G is a vertex subset such that any two vertices in S do not adjacent with each other. The independence number of graph G , denoted by $\alpha(G)$, is the cardinality of the maximum independent set in G . Let $\kappa'(G)$ denote the edge connectivity of G . I proved that If $\kappa'(G) \geq \max\{2, \alpha(G) - 3\}$, then G has a spanning trail. This improves the former result. (Received September 15, 2014)