

## **DOMINATION CRITICAL NODES IN FUZZY GRAPH**

**A. NAGOOR GANI AND P. VIJAYALAKSHMI**

### **Abstract**

In this paper the nodes are classified using some domination critical properties. The domination number  $(G)$  of a fuzzy graph  $G$  is the size of a minimum dominating set. In general  $(G)$  can be increased or decreased by the removal of nodes from  $G$ . The main objective is to study this phenomenon with examples.

-----  
Key Words: Fuzzy graph, Domination, Domination number, Fuzzy cut node, Critical nodes

2000 Mathematics Subject Classification: 03E72, 05C69.

Ascent Publication House: [http:// www.ascent-journals.com](http://www.ascent-journals.com)