

On Edge Antimagic Total Labeling and Arithmetic Progression

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Abstract

An edge magic total labeling of graph with p vertices and q edges is a bijection from the set of vertices and edges to $1, 2, 3, \dots, |p| + |q|$ such that for every edge the sum of the label of the edges and the label of its two end vertices are constant. And if the sum is distinct it is said to be an edge antimagic total labeling. In this paper, we exhibit edge antimagic total labeling on graph structure for various arithmetic progression.
