

A STUDY ON EVEN SUM GRAPHS

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Abstract: A graph with labeling of its vertices using distinct non - negative integers such that the sum of the labels of any two vertices which are adjacent is also a label of a vertex in that graph. The even sum number of G , denoted by $\gamma(G)$ defined as the number of isolated vertices needed to make a graph, an even sum graph. and that number should be the minimum. In this article, we enquires on various ESG.

Keywords and Phrases: Comb, crown, complete graph, complete bipartite graph, wheel.

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1. Introduction

Frank Harary [5, 6] interpolated Sum and Integral Sum Graphs(ISG). Their properties was investigated by many authors [1, 7, 8, 9]. A graph is said to be