Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map f : E(G) \rightarrow \{1, 3, 5, \ldots, 2q-1\} so that induced map f+:V(G) \rightarrow [0, 1, 2, 3, \ldots, (2k-1)] defined by f+(x) = ?f (xy) (mod 2k), where the vertex x is incident with other vertex y and k = max \{p, q\} makes all the edges distinct and odd. In this article, the edge-odd gracefulness of (P2 \oplus Pn) \oplus Pn [n copies of doors]


**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Graceful Graph  
Edge-odd graceful labeling  
Edge-odd Graceful Graph