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 $f^+(x) = ?f(xy) \pmod{2k}$, 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 $(P_2 \oplus P_n) \oplus P_n$ [n copies of doors]
Graph of Cartesian Product of Sm and Sn &quot;, The Gobal Journal of pure and Applied Mathematics of Mathematical Sciences, 1, No-2 (July- Dec 2008b), 117-120.

**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

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