Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map f: E(G) → {1, 3, ..., 2q-1} so that induced map f+: V(G) → {0, 1, 2, 3, ..., (2k-1)} defined by f+(x) = f(x, y) (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 C3 ⊙ Pn and C3 ⊙ 2Pn is obtained.

Reference

- A.Solairaju and K.Chitra, Edge-odd graceful labeling of some graphs "Electronics Notes in Discrete Mathematics Volume 33,April 2009, Pages 15 - 20
- A.Solairaju, C. Vimala, A. Sasikala, Edge-Odd Gracefulness of Cm △ Sn for n is even (communicated to Serial Publications)

Index Terms
Computer Science      Applied Mathematics

Key words
Graceful Graph       Edge-odd graceful labeling
Edge-odd graceful graph