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 the cartesian product of C3 and Cn is obtained.
- A. Solairaju, A. Sasikala, C. Vimala Edge-odd Gracefulness of strong product of $P_2$ and $C_n$, communicated to serials publications, New Dehli.
- A. Solairaju, A. Sasikala, C. Vimala, Edge-odd Gracefulness of strong product of $P_3$ and $C_n$, Communicated to serials publications, New Dehli.

**Index Terms**

Computer Science  Applied Mathematics

**Key words**

Graceful Graphs  Edge-odd graceful labeling

Edge-odd Graceful Graph