Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map \( f : E(G) \rightarrow \{1, 3, \ldots, 2q-1\} \) so that induced map \( f^+ : V(G) \rightarrow \{0, 1, 2, 3, \ldots, (2k-1)\} \) defined by \( f^+(x) \equiv f(x, y) \mod{2k} \), 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.

Reference

- A.Solairaju, A.Sasikala, C.Vimala Edge-odd Gracefulness of a spanning tree of Cartesian
- A. Solairaju, A. Sasikala, C. Vimala Edge-odd Gracefulness of strong product of P2 and Cn, communicated to serials publications, New Delhi.
- A. Solairaju, A. Sasikala, C. Vimala, Edge-odd Gracefulness of strong product of P3 and Cn, Communicated to serials publications, New Delhi.

**Index Terms**

Computer Science

Applied Mathematics

**Key words**

Graceful Graphs

Edge-odd graceful labeling

Edge-odd Graceful Graph