Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map $f: E(G) \rightarrow \{1, 3, ..., 2q-1\}$ so that induced map $f+: V(G) \rightarrow \{0, 1, 2, 3, ..., (2k-1)\}$ defined by $f+(x) \equiv f(x, y) \pmod{2k}$, 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 the cartesian product of $C_3$ and $C_n$ 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 $P_2$ and $C_n$, communicated to serials publications, New Delhi.
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**Index Terms**

Computer Science Applied Mathematics

**Key words**

Graceful Graphs Edge-odd graceful labeling

Edge-odd Graceful Graph