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 $f^+: V(G) \rightarrow \{0, 1, 2, ..., (2k-1)\}$ defined by $f^+(x) \equiv f(x, y) \pmod{2k}$, where the vertex $x$ is incident with another 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 P2 and Cn, communicated to serials publications, New Dehli.

- A. Solairaju, A. Sasikala, C. Vimala, Edge-odd Gracefulness of strong product of P3 and Cn, Communicated to serials publications, New Dehli.

Index Terms

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Key words

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Edge-odd Graceful Graph