Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map \( f: E(G) \to \{1, 3, \ldots, 2q-1\} \) so that induced map \( f+: V(G) \to \{0, 1, 2, 3, \ldots, (2k-1)\} \) 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 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 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

Computer Science
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