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 $f+(x) \circ f(x, y) \pmod{2k}$, 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 $C_3 \Theta P_n$ and $C_3 \Theta 2P_n$ is obtained.

Reference

- A.Solairaju, C. Vimala, A. Sasikala, Edge-Odd Gracefulness of Cm \( \Theta \) Sn for n is even (communicated to Serial Publications)

**Index Terms**

Computer Science  
Applied Mathematics

**Key words**

Graceful Graph  
Edge-odd graceful labeling

Edge-odd graceful graph