A (p, q) connected graph is edge-odd graceful graph if there exists an injective map $f: E(G) \to \{1, 3, ..., 2q-1\}$ so that induced map $f+: V(G) \to \{0, 1, 2, 3, ..., (2k-1)\}$ defined by $f+(x) = f(x, y) \pmod{2k}$, 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 $P_m \Theta S_m$ for $m = 5, 6, 7, 8$ is obtained.
A.Solairaju and K.Chitra, Edge-odd graceful labeling of some graphs “ Electronics Notes in Discrete Mathematics Volume 33,April 2009, Pages 15 - 20


- A.Solairaju, C. Vimala, A. Sasikala, Edge-Odd Gracefulness of C3 ⊕ Pn and C3 ⊕ 2Pn 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