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 \( P_m \Theta S_m \) for \( m = 5, 6, 7, 8 \) is obtained.

Reference

- 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