A (p, q) connected graph is edge-odd graceful graph if there exists an injective map \( f : E(G) \rightarrow \{1, 3, 5, \ldots, 2q-1\} \) so that induced map \( f^+ : V(G) \rightarrow \{0, 1, 2, 3, \ldots, (2k-1)\} \) defined by \( f^+(x) = f(xy) \pmod{2k} \), 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 gracefulfulness of \((P2 \ ? Pn) \ ? Pn \ [n \text{ copies of doors}]\)
Graph of Cartesian Product of Sm and Sn "; The Gobal Journal of pure and Applied Mathematics of Mathematical Sciences, 1, No-2 (July- Dec 2008b), 117-120.

**Index Terms**

Computer Science

Applied Mathematics

**Keywords**

Graceful Graph  Edge-odd graceful labeling  Edge-odd Graceful Graph