Abstract

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 \( f+(x) = \frac{f(xy)}{2k} \) (mod \( 2k \)), 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 \( (P_2 \square P_n) \square P_n \) [n copies of doors]
Graph of Cartesian Product of $S_m$ and $S_n$ "; The Global Journal of Pure and Applied Mathematics of Mathematical Sciences, 1, No-2 (July- Dec 2008b), 117-120.


**Index Terms**

Computer Science 
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**Keywords**

Graceful Graph 
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Edge-odd Graceful Graph