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Odd Harmonious Labeling Of Some

Odd Harmonious Labeling of Some Graphs 107 erty P that are odd harmonious. The problems of second type are largely discussed while the problems of first and third types are not so often but they are of great importance. The present work is aimed to discuss the problems of first kind.

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Graphs
The concept of odd harmonious labeling was introduced by Liang and Bai and they have obtained necessary conditions for the existence of odd harmonious labeling of graphs: (i) If G is an odd harmonious graph, then G is a bipartite graph. (ii) If a (p, q) -graph G is odd harmonious, then $2 \leq q \leq 2p - 1$.

Odd Harmonious Labeling of Some New Families of Graphs ...

Odd Harmonious Labeling of Some Graphs - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The labeling of discrete structures is a potential area of research due to its wide range of applications. The present work is focused on one such labeling called odd harmonious labeling.

Odd Harmonious Labeling of Some Graphs | Vertex (Graph ...

$f(V(G)) = \{0, 1, 2, \dots, q\}$, then f is called as strongly odd harmonious labeling and G

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is called as strongly odd harmonious graph. The odd harmoniousness of graph is useful for the solution of...

Odd Harmonious Labeling of Some New Graphs

bijection and f is called harmonious labeling of G . The concept of odd harmonious labeling was due to Liang and Bai [13]. A graph G is said to be odd harmonious if there exists an injection $f: V(G) \rightarrow \{0, 1, 2, \dots, 2q-1\}$ such that the induced function $f^*: E(G) \rightarrow \{1, 3, \dots, 2q-1\}$ defined by $f^*(uv) = f(u) + f(v)$ is a bi-jection.

SOME RESULTS ON ODD HARMONIOUS LABELING OF GRAPHS

The concept of odd harmonious labeling was due to Liang and Bai [7]. A graph G is said to be odd harmonious if there exists an injection $f: V(G) \rightarrow \{0, 1, 2, \dots, 2q-1\}$ such that the induced function $f^*: E(G) \rightarrow \{1, 3, \dots, 2q-1\}$ defined by $f^*(uv) = f(u) + f(v)$ is a bijection. A graph that admits odd harmonious labeling is called odd

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Odd harmonious labeling of some cycle related graphs

Abstract: The labeling of discrete structures is a potential area of research due to its wide range of applications. The present work is focused on one such labeling called odd harmonious labeling.

Odd Harmonious Labeling of Some Graphs - CORE

are distinct. A graph G is said to be an k -odd sequential harmonious graph if it admits an k -odd sequential harmonious labeling. In this paper, we investigate k -odd sequential harmonious labeling of some graphs. Throughout this paper, k denote any positive integer 1 . For brevity, we use k -ESHL for k -even sequential harmonious labeling. 2. Main Results

k -Odd Sequential Harmonious Labeling of Some Special Graphs

harmonious labeling and G is called as

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strongly odd harmonious graph. The odd harmoniousness of graph is useful for the solution of undetermined equations. Several results have been published on...

(PDF) ODD HARMONIOUS LABELING OF CERTAIN GRAPHS

Harmonious labeling of W_{12} is shown. Figure XIV 3.13. $K_n(2)$ is harmonious if $n = 4$ but not harmonious if n is odd or $n = 6$. In the following fig. XV harmonious labeling of $K_n(2)$ is shown. Figure XV 4. THEOREMS ON HARMONIOUS LABELING 4.1. The Cycle C_n ($n \geq 3$) is harmonious if and only if n is odd. Proof: We shall consider the following two cases.

Research Paper HARMONIOUS LABELING OF CERTAIN GRAPHS ...

The labeling of discrete structures is a potential area of research due to its wide range of applications. The present work is focused on one such labeling called odd harmonious labeling

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Some new odd harmonious graphs 11
Definition 1.6. For a graph G the split graph is obtained by adding to each vertex v a new vertex v_0 such that v_0 is adjacent to every vertex that is adjacent to v in G . The resultant graph is denoted as $spl(G)$.

Some new odd harmonious graphs

Odd Harmonious Labeling on Pleated of the Dutch Windmill Graphs. Fery Firmansah, Muhammad Ridlo Yuwono. Abstract. ... P. Jeyanthi and S. Philo, "Odd Harmonious Labeling of Some Cycle Related Graphs," *Proyecciones Journal of Mathmatics*, vol. 35, no. 1, pp. 85-98, 2016.

Odd Harmonious Labeling on Pleated of the Dutch Windmill ...

Dushyant Tanna, *International Journal of Advanced Engineering Research and Studies* E-ISSN2249-8974 Research Paper HARMONIOUS LABELING OF

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CERTAIN GRAPHS Dushyant Tanna
Address for Correspondence Department
of Mathematics, Marwadi Engineering
College, India ABSTRACT Harmonious
labeling of graph is getting lots of
application in social networking, rare
probability event and many more.

(PDF) Harmonious labeling of certain graphs | Dushyant ...

Following this paper, other studies on
different types of labelings (Odd
graceful, Chordal graceful, Harmonious,
edge odd graceful) introduced by many
others [2 - 4]. A new type of labeling of
a graph called an edge even graceful
labeling has been introduced by
Elsonbaty and Daoud [5].

Edge even graceful labeling of some graphs | Journal of ...

called as strongly odd harmonious
labeling and G is called as strongly odd
harmonious graph. The odd
harmoniousness of graph is useful for
the solu- tion of undetermined

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(PDF) Odd harmonious labelings of grid graphs

Abstract: Singh and Varkey introduced the odd sequential graphs. Gayathri and Hemalatha introduced even sequential harmonious labeling of graphs and also k-even sequential harmonious labeling of graphs. Here, we investigate some new results on k-even sequential harmonious labeling of graphs.

Some New Results on K-even Sequential Harmonious Labeling ...

Key Words : Graph labeling, ladder graph, star graph, bistar graph, double star graph, duplicate graph, harmonious labeling, odd harmonious labeling and even harmonious labeling. 1

Introduction The concept of graph labeling was introduced by Rosa in 1967. A graph labeling is an assignment of integers to the vertices or edges or both subject ...

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Various Harmonious Labeling in Some Duplicate Graphs

) and paths are prime harmonious labeling.). I. Introduction All graphs in this paper are finite, simple and undirected. The symbols $V(G)$ and $E(G)$ will denote the vertex and edge set of the graph G . For standard terminology and notations we follow Gross and Yellon [5].