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Odd Harmonious Labeling Of Some

Odd Harmonious Labeling of Some Graphs 109 The vertex function f defined above induces a bijective edge function $f^*: E(G) \rightarrow \{1, 3, \dots, 12n+5\}$. Thus f is an odd harmonious labeling of $G = S'(B_n, n)$ and G is an odd harmonious graph.

Illustration 2.4 Odd harmonious labeling of the graph $S'(B_5, 5)$ is shown in Fig. 2. u_1 u_2 u_3 u_4 u_5 47 49 51 53 55 7 23 11 15

Odd Harmonious Labeling of Some 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 $f: V(G)$

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$\rightarrow \{0, 1, 2, \dots, 2q-1\}$ 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 harmonious graph.

Odd harmonious labeling of some cycle related graphs

Request PDF | Odd Harmonious Labeling of Some New Families of Graphs | A graph $G(p; q)$ is said to be odd harmonious if there exists an injection $f: V(G) \rightarrow \{0, 1, 2, \dots; 2q-1\}$ such that ...

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

The present work is focused on one such labeling called odd harmonious labeling. A graph G is said to be odd harmonious if there exist 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. Here we investigate odd harmonious labeling of some graphs.

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Odd Harmonious Labeling of Some Graphs - CORE

SOME RESULTS ON ODD HARMONIOUS LABELING OF GRAPHS P. Jeyanthi and S. Philo Abstract. A graph $G(p;q)$ 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. In this paper we prove that the m -mirror graph $M_m(G)$, m -shadow graph of

SOME RESULTS ON ODD HARMONIOUS LABELING OF GRAPHS

Odd harmonious labeling of some new families of graphs., SUT J. Math., 51(2)(2015), 53-65. [8] P.Jeyanthi and S.Philu. Odd Harmonious Labeling of Some Cycle Related Graphs. PROYECCIONES J. Math., 35(1)(2016), 85-98. [9] P. Selvaraju, P. Balaganesan and J.Renuka. Odd Harmonious Labeling of Some Path Related Graphs. Inter. J. Math. Sci. Engg.

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Odd Harmonious Labeling of Plus Graphs | BULLETIN OF ...

Liang and Bai [5] obtained the necessary conditions for the existence of odd harmonious labeling of a graph. They proved that if G is an odd harmonious graph, then G is a bipartite graph. Also they claim that if a (p, q) – graph G is odd harmonious, then $2q \leq p \leq 2q - 1$, but this is not always correct. Take P_2 as a counter example.

FURTHER RESULTS ON ODD HARMONIOUS GRAPHS

of graph such as odd graceful labeling, harmonious labeling etc. Graham and Sloane[4] introduced harmonious labeling and defined as follows:

Definition 1.2. A Graph G is said to be harmonious if there exist an injection $f : V(G) \rightarrow \mathbb{Z}_q$ such that the induced function $f^* : E(G) \rightarrow \mathbb{Z}_q$ defined by $f^*(uv) =$
=

Some new odd harmonious graphs

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Harmonious labeling was introduced by R.L. Graham and N.J Sloane and investigated the same on some standard graphs [3]. Z. Liang and Z. Bai introduced odd harmonious labeling see [4]. Even harmonious labeling was introduced by B. Gayathri and D. Muthukrishanan [2]. Even sequential harmonious labeling was introduced by P.B Sarasija and R. Binthiya and

Various Harmonious Labeling in Some Duplicate Graphs

Harmonious labeling of graph is getting lots of application in social networking, rare probability event and many more. Here we will discuss about some harmonious labeling techniques and some ...

(PDF) Harmonious Labeling of Certain Graphs

Odd Harmonious Labeling Of Some Odd
Harmonious Labeling of Some Graphs
109 The vertex function f defined above induces a bijective edge function f^* :

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$E(G) \rightarrow \{1,3,\dots, 12n+5\}$. Thus f is an odd harmonious labeling of $G = S'(B_n, n)$ and G is an odd harmonious graph.

Illustration 2.4 Odd harmonious labeling of the graph

Odd Harmonious Labeling Of Some Graphs Core

Abstract. Graphs that have odd harmonious labeling properties are called odd harmonious graphs. The purpose of this study to obtain a new graph class construction with its properties, but also to prove that the new graph class has odd harmonious labeling properties. The research method used consisted of several steps namely data research preparations, research investigations and verification of results.

Pelabelan Harmonis Ganjil pada Graf Ular Jaring Berlipat ...

A graph G is said to be an k -even sequential harmonious graph if it admits an k -even sequential harmonious

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labeling. In this paper, we investigate some results on k -even sequential harmonious labeling of some cycle related graphs. Throughout this paper, k denote any positive integer ≥ 1 . For brevity, we use k -ESHL for k -even sequential harmonious

K-Even Sequential Harmonious Labeling of Some Cycle ...

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Odd harmonious labeling of grid graphs - CONICYT

A graph G is said to be an k -odd

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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.

k-Odd Sequential Harmonious Labeling of Some Special Graphs

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 . They introduced some path- and cycle-related graphs which are edge even graceful.

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

An odd harmonious labeling of super subdivision of a cycle C_3 is shown in

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Figure 3. Theorem 2.4. The super subdivision of ladder graph is odd harmonious. Proof. This graph G contains $(3n-2)m+2n$ vertices and $(3n-2)2m$ edges. Let the vertex set be $V_n = \{v_1, v_2, \dots, v_{2n}\} \cup \{c_1, c_2, \dots, c_m, c_{m+1}, \dots, c_{2m}, c_{2m+1}, \dots, c_{3m}, c_{3m+1}, \dots, c_{4m}, \dots, c_{(3n-2)m}\}$.

Odd harmonious labeling of super subdivision graphs

Given a simple connected undirected graph G and let k be the maximum number of its vertices and its edges. Let f be a bijective labeling from the set of its edges to the set of odd integers from 1 up to $2q - 1$, where q is the number of edges of G . The labeling f is called an edge odd graceful labeling on G if the weights of any two different vertices are different, where the weight of a vertex v is defined as the sum mod $(2k)$ of all labels of edges that are incident to v .

On some new edge odd graceful graphs: AIP Conference ...

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In this paper we prove that pleated of the Dutch windmill graphs $C_4^{(k)}(r)$ with $k \geq 1$ and $r \geq 1$ are odd harmonious graph. Moreover, we also give odd harmonious labeling construction for the union pleated of the Dutch windmill graph $C_4^{(k)}(r)$ union $C_4^{(k)}(r)$ with $k \geq 1$ and $r \geq 1$.

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

The graph which admits odd sequential labeling is known as an odd sequential graph. Generally, a graph G is called Smarandachely odd sequential if there is a subset $V' \subset V(G)$ such that the resulting edge labels of $G \setminus V'$ are $\{1, 3, \dots, 2q' - 1\}$, where $q' \leq q$.

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