Title: Some Skolem square difference mean graphs

Author(s): Indirani K Thilagavathi R Shiama J

Speaking Author: Author 1

Email: indirani009@ymail.com

Abstract:

In this paper, the new concept Skolem square difference mean labeling has been introduced and a formula for Skolem square difference mean labeling has been established. If f is a bijective function from the vertices of G to the set $\{1,2, \ldots, p\}$ such that when each edge uv is assigned the label f if |(f(u)) - (f(v))2|| is even and if |(f(u))2 - (f(v))2|| is odd, then the resulting edge labels are distinct ranges from 2 to . The function f is called Skolem square difference labeling of a graph G with q edges. A graph that admits Skolem square difference mean labeling is called the Skolem square difference mean graph. It is proved that the star k1,n, path Pn,cycle Cn, cycle with one chord, the graph obtained by the subdivision of the edges of k1,n, bistar B(n,n), banana tree BT(n1, n2, ..., nk) are Skolem square difference mean graphs.