

Abstract

T of non negative integers including zero, a proper vertex coloring is called a T -coloring if the distance of the colors of adjacent vertices is not the element of T . Span of T -coloring is the difference between the largest and smallest colors and the T -span of G is the minimum span over all T -coloring of G In this thesis we compute T -span and T -edge span of Swing Graph, Theta mash Graph and Shadow graph. and Classify which graphs containing a sub graph H such that $Sp_T(H) < Sp_T(G)$ and $esp_T(H) < esp_T(G)$.