

A STUDY ON ACHROMATIC COLORING OF TRIPLE STAR GRAPH FAMILIES

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Abstract

Achromatic coloring is a proper vertex coloring such that each pair of color classes is adjacent by at least one edge. The largest possible number of colors in an achromatic coloring is called the achromatic number and is denoted by $\chi_a(G)$. The purpose of this paper is to discuss the achromatic coloring of triple star graph families.

Keywords and phrases: central graph, middle graph, total graph, line graph, achromatic number, achromatic coloring.

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