

MINIMUM COVERING COLOR ENERGY OF A GRAPH

P. RAJENDRA¹ AND R. RANGARAJAN²

^{1,2} Department of Studies in Mathematics,
University of Mysore, Manasagangotri, Mysore - 570 006, India

Abstract

In the current literature, two interesting and innovative energy concepts of a graph, namely, the concept of minimum covering energy of a graph and the concept of color energy of a graph are introduced by C. Adiga et. al. ([1], [2]). Motivated from these two research papers, we are defining a new concept called minimum covering color energy of a graph. In this paper, we establish results on energy, bounds and determinants of minimum covering color matrix of some graphs.

Key Words : *Minimum covering set, Color energy, Minimum covering color energy.*

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