International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 7 No. III (May, 2013), pp. 137-148

ENERGY OF SET OF VERTICES - A COMPUTATIONAL METHOD

P. SUMATHI[1] AND S. P. JEYAKOKILA[2]
[1] Department of Mathematics,
CKNC, Chennai, India
E-mail: sumathipaul@yahoo.co.in
[2] Department of Mathematics,
Lady Doak College,Madurai, India
E-mail: koki_prem@rediffmail.com

Abstract

A graph $G = (V, E)$ where V is the vertex set and E is the edge set. A graph is finite if its vertex set and edge set are finite. A graph is trivial if it has no edges otherwise it is nontrivial, The adjacency matrix of G, written $A(G)$ is the $n \times n$ matrix in which entry $a_{i,j}$ is the number of edges in G with end points $\{v_i, v_j\}$. We have studied that robust dominating energy curve is unimodal. Given the domination set, we have given an algorithm as well as a C program to find out the robust dominating energy of the graphs.

Key Words : *Robust energy, Dominating set.*