International J. of Math. Sci. & Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol. 5 No. IV (July, 2011), pp. 181-189

EQUIENERGETIC GRAPHS

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Abstract

The energy of a graph G is defined as the sum of the absolute values of its adjacency matrix. Two graphs G_1 and G_2 are said to be equienergetic if their energies are equal. That is $E(G_1) = E(G_2)$. Two non-isomorphic graphs are said to be co-spectral if they have the same spectra. In this paper, we study about non-cospectral equienergetic graphs.

Key Words : Equienergetic graphs, DE-equienergetic graphs, RE-equienergetic graphs, DT-equienergetic graphs.

AMS Subject Classification : 15A45, 05C50.

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