Abstract

In this paper, the concept of minimum hub distance energy $EH_d(G)$ of a connected graph $G$ is introduced and minimum hub distance energies of some standard graphs and a number of well-known families of graphs are computed. Upper and lower bounds for $EH_d(G)$ are also established.

References

5. S. B. Bozkurt, A. D. G"ung"or and B. Zhou, Note on the distance energy of graphs, MATCH Communication in Mathematical and in Computer Chemistry, 64 (2010), 129-134.
12. F. Harary, Graph Theory, Addison Wesley, Massachusetts, 1969.

**Index Terms**

Computer Science

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**Keywords**

Minimum hub set, minimum hub distance matrix, minimum hub distance eigenvalues, minimum hub distance energy.