Abstract

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

References

5. S. B. Bozkurt, A. D. Gündoğ 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  
Applied Mathematics

**Keywords**

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