

THE MINIMUM GENERAL RANDIĆ INDEX OF THE NORDANS-GADDUM TYPE FOR $\alpha < -1$

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Abstract

The general Randić index $R_{\alpha}(G)$ is the sum of the weight $d(u)d(v)^{\alpha}$ over all edges uv of a graph G, where α is a real number and d(u) is the degree of the vertex u of G. In this paper, we obtain lower bounds on the general Randić index of the Nordans-Gaddum type for trees for $\alpha < 0$.

Keywords and phrases: tree, the general Randić index, Nordans-Gaddum type.

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