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 $\alpha < 0$.