



**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.