

## 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  $\alpha$  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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