

عنوان مقاله:

The augmented eccentric connectivity index of nanotubes and nanotori

محل انتشار:

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خلاصه مقاله:

Let G be a connected graph, the augmented eccentric connectivity index is a topological index was defined as $\zeta(G) = \sum_{i=1}^n M_i / E_i$, where M_i is the product of degrees of all vertices v_j , adjacent to vertex v_i , E_i is the largest distance between v_i and any other vertex v_k of G or the eccentricity of i and n is the number of vertices in graph G . In this paper exact formulas for the augmented eccentric connectivity index of $TUCFC\lambda(S)$ nanotube and $TUCFC\lambda(R)$ nanotorus are given.

کلمات کلیدی:

Augmented eccentric connectivity index, Nanotube, Nanotorus

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