عنوان مقاله:

The augmented eccentric connectivity index of nanotubes and nanotori

نویسنده:

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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=۱}^nM_i/E_i, where Mi is the product of degrees of all vertices vj, adjacent to vertex vi, Ei is the largest distance between vi and any other vertex vk of G or the eccentricity of i v and n is the number of vertices in graph G. In this paper exact formulas for the augmented eccentric connectivity index of TUC۴C۸(S) nanotube and TC۴C۸(R) nanotorus are given.

کلمات کلیدی:

Augmented eccentric connectivity index, Nanotube, Nanotorus