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## THE RANDIC AND SECOND-ORDER CONNECTIVITY INDICES OF SOME DENDRIMER NANOSTARS

### Content :

Molecular connectivity indices are identified as components of the molecular accessibility. The first and second-order connectivity indices represent molecular accessibility areas and volumes, respectively, whereas higher order indices represent magnitudes in higher dimensional spaces. In identifying accessibility perimeters, we recognized the atom degrees as a measure of the accessibility perimeter of the corresponding atom. The Randic and connectivity indices are identified as the two components of the molecular accessibility area. In this talk, we compute the Randic and 2-connectivity indices of three infinite classes of dendrimers.

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