

QSPR modelling of molar volume of alkanes using the ZEP topological index

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ABSTRACT.

In this paper it is presented a QSPR study between the molar volume (MV) and molecular structure for a set of 70 alkanes using the ZEP topological index. The ZEP topological index is calculated by using the weighted electronic connectivity matrix, CEP, associated to the chemical graphs of alkanes introduced by the author in a previous paper.

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