Thematic direction: Numeric characteristic of the organic molecular structure. Part 10.

Determination of numerical characteristics
of normal alkanes by experimental data

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Abstract
        For alkane series of the normal structure the linear dependences of molar volume on the degree of absolute temperature have been obtained. On the basis of the free member of the obtained dependences the numbers close to values of topological index of molecules of the alkanes have been determined. It is suggested to consider numbers as characteristics of structure of alkane molecules, obtained on the basis of experimental data.