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Description of polarizability of molecules with the use of three inertia moments of rotary motion and its features

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Abstract

We obtained dependencies of ellipsoid axes values of molecules of organic and organoelemental row compounds upon the inertia rotation motion moments of molecules as well as the product of the molecular mass by the values of the Wiener topological index of molecules to the power of 2/3. Correlation of the inertia moments of the molecules' rotary motion and the product of molecular mass by the value of the Wiener topological index to the 2/3 power have been discussed.