

Description of Rotational Molecular Spectra by the Two-Parameter Universal Equation

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Abstract: The n -power two-parameter universal equation for rotational spectra which we deduced recently is applied to the description of the rotational bands of several diatomic and tetra-atomic molecules. Excellent agreement with experimental data can be obtained with small n values. The relation between our equation and the famous Dunham formula is discussed.

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Key words: two-parameter equation, diatomic and tetra-atomic molecules, rotational spectra

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