quantized internal energy

The quantized internal energy of a molecule in its electronic ground or excited state can be approximated with sufficient accuracy for analytical purposes by:

$$E_{\text{int}} = E_{\text{el}} + E_{\text{vib}} + E_{\text{rot}}$$

where E_{el} is the electronic, E_{vib} the vibrational and E_{rot} the rotational energy, respectively.

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