

The formula for calculation of a set of own resonance frequencies of atomic oscillators

$$\nu(m) = \frac{c \cdot m^2}{4 \cdot \pi \cdot D} \cdot k_d$$

where c – speed of light

m – frequency quantum number

D – diameter of oscillator

k_d – coefficient of elasticity

For hydrogen and helium $k_d = 4$.

Quantum transitions in multi-frequency ring oscillator

