Quantized Expression of electrostatic Force of Hydrogen Atom

AHMAD REZA ESTAKHR, Physics Research Center — The force of each state of the hydrogen atom is determined by the value of the Quantum number (n). $F_n = \frac{F_0}{n^4}$ where the $F_0 = \frac{e^2}{4\pi\epsilon_0 a_0^2}$ and a_0 is bohr radius. as n increases, the force level separation decreases rapidly. since n can take all integral values, the force spectrum of the hydrogen atom contains an infinite number of discrete force levels.

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