Kuantik

$$E_n = \left(n + \frac{1}{2}\right) \hbar w$$

$$\Delta = \hbar w$$

dijperatini hui dutan 2 ihlikda astili gemunla avolara

eğrun kötelu betiden dinen erpativa!!

$$\frac{2\pi}{\lambda} (\hbar w) = \frac{2\pi}{\lambda} \frac{\hbar}{2\pi} = \boxed{h}$$

$$E >>> \Delta >>> \hbar w$$

eğrun boynuve

Δ enegir turtean $\approx \dfrac{\Delta}{\hbar w}$

$$w_0 = \frac{h}{N} \quad \rightarrow \text{opuka N bunler.}$$