2.8. 定态薛定谔方程: dx 4(x) = (-2m = + m²w²x²) 4(x) FF Yock) = ace -ax2 有文Yocx)=-200dre 4godz'e-ax 我活程右边有一种 aoe-ax2+(mw)2aox2e-ax2 . Store - dr2 = 3h2 / Az, Az, Au JA $(n+\pm)wh$ $= \frac{1}{2} \cos^2 e^{-2\alpha x^2} dx = 1 \Rightarrow \alpha_0 = \frac{\mu w}{\pi h}$ $\int_{-\infty}^{\infty} \frac{b_0}{b_0} x^2 e^{-2\alpha x^2} dx = | \rightarrow b_0 = (\frac{m\omega}{\pi b})^{\frac{1}{2}} \cdot \frac{|2m\omega}{\pi}$ 的一种大性振子: 40(X)=(mw)*e-mwx2 x = 0, $x^2 = \frac{1}{x^2} = \frac{1}{x^2} = \frac{1}{x^2}$ $P^2 = \frac{1}{2} m \pi \omega$, $(\Delta D)^2 = P^2 = \frac{1}{2} m \pi \omega$