$|-2\sqrt{1-2} \cdot n| = 2 \cdot \frac{1}{2} \cdot \frac{1$

证明:本证函数是正文的:

$$\int \frac{\psi_n^* \psi_n dx}{\int \int \int \int \frac{m\pi x}{L} \sin \frac{n\pi x}{L} dx} = \int \int \frac{1}{L} \sin \frac{n\pi x}{L} dx = \int$$

$$\psi_{(r,t)} = \sum C_n \psi_n e^{-\frac{iEnt}{\hbar}} = \sum C_n(t) \psi_n$$

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TEU 1.
$$\left(-\frac{\hbar^2}{2m}\frac{d^2}{dx^2} + Vcx\right)\psi_1 = E_1\psi_1$$
 O

$$\left(-\frac{\hbar^2}{2m}\frac{d^2}{dx^2} + Vcx\right)\psi_2 = E_2\psi_2 \quad \textcircled{2}$$

$$0 \Rightarrow \frac{\pi^2}{2m} (a^2 \chi^2 - 1) a^2 + V c \chi) = E_1$$

$$\frac{1}{2} - \frac{h^2}{2m} (\alpha^2 x^2 - 5) \alpha^2 + V(x) = E_2, V(x) = E_2 + (\alpha^2 x^2 - 5) \cdot \frac{h^2}{2m}$$

$$E_2 - E_1 = \frac{2h^2}{m} \alpha^2 = \frac{2Wh}{m}$$

 $[\Psi_{\perp}] = [\varphi(x)]^2 = [\varphi(x)] e^{iEt} + \varphi^* cxe^{-iEt}] [\varphi^* cxe^{iEt} + \varphi_{(x)}]$ PIET $-\varphi^{2}(x)+\varphi^{2}(x)+2\psi(x)\psi^{*}(x)\cos(2Et)$ = [2+2cos(2Et)](少~x),带t,不处于定态 (Felv3:] = - in (φ* σφ - φσφ*) = - 2th [-] SINCX | Z NTT COS LX - ESINTX. JE NTT COST X %明定态下, 12至流密度在这种情况的, 米之子在任意后目面 的2个方向流动趋势相等

