Karovico Toinon $\psi(x)$: $\int_{0}^{\infty} \psi^{k}(x) \psi(x) dx = 1$ Avaperoperes tipés: $z = -i\hbar \int_{\mathbb{R}} \psi^*(x) \frac{\partial \psi(x)}{\partial x} dx$ 2x7= Sp 4*(x) x 4(x) &x $\angle \rho^2 > = h^2 \int_{\Lambda} \frac{\partial \psi^*(x)}{\partial x} \frac{\partial \psi(x)}{\partial x} dx$ < x2 > = So 4x(x) x24(x)dx (dp)= \(\langle \rho^2 > - \lefta \rho^2 \) (DX) = (Cx2> - Cx>2 Schrödinger: $-\frac{1}{2m} \frac{\partial^2 \psi}{\partial x^2} + V(x) \cdot \psi = i\hbar \frac{\partial \psi}{\partial t}$ -topy Dyda Le Kpovoave Záprnzn: $-\frac{\hbar^2}{2m} \frac{\partial^2 \psi}{\partial x^2} + V(x) \cdot \psi = E \cdot \psi$ Le Edrívoiro omparisco: $-\frac{L^2}{2m} \frac{\partial^2 \psi}{\partial x^2} = i\hbar \frac{\partial \psi}{\partial t}$ (VG)=0) Heisenberg: (Ax) (Ap) > t H y(x) μπορεί να πραφεί: y(x)= Z cn th And kavoviko to inon, to first: $\sum_{i=1}^{2} |\sin^{2}_{i}| = 1$ $\ln^{2} \int_{C} \sin(n\pi x) dx$ Hy(x,t) redusea: 4(x,t) = Z cye-iEnt/t yn En=n2 title ence Tio. va ppiskizui ozo (a,B): Prob [acxcB]= 5 4 + (x) 4(x) dx $\pi \theta$. Vo éxer evépyéra En: $\text{Prob} = (c_n)^2 = \left(\int_{\mathcal{Q}} \psi_n^*(x) \psi(x) \, dx \right)^2$ $\psi_{1}(x) = Ae^{ik_{1}x} + Be^{-ik_{1}x}$ $\psi_{1}(x) = Ae^{ik_{1}x} + Be^{-ik_{1}x}$ $\psi_{2}(x) = \sqrt{2m|E-V_{i}|}$ $\psi_{2}(x) = Ce^{kex}$ $\psi_{3}(x) = \sqrt{2m|E-V_{i}|}$ $\psi_{4}(x) = Ce^{kex}$ $\psi_{5}(x) = \sqrt{2m|E-V_{i}|}$ $\psi_{1}(x) = \sqrt{2m|E-V_{i}|}$ $\psi_{2}(x) = Ce^{kex}$ $\psi_{3}(x) = \sqrt{2m|E-V_{i}|}$ $\psi_{4}(x) = Ce^{kex}$ $\psi_{5}(x) = Ce^{kex}$ $\psi_{6}(x) = Ce^{kex}$ $\psi_{6}(x) = Ce^{kex}$ $\psi_{6}(x) = Ce^{kex}$ $\psi_{6}(x) = Ce^{kex}$ $\psi_{7}(x) = Ce^{kex}$ ψ_{7} (I) (I) V=0

Προσπίπεον ρεθρα (I).
$$J\pi\rho = -i\hbar \left(\frac{4\pi}{100} \frac{\partial 4\pi\rho_{cll}}{\partial x} - \frac{4\pi\rho_{cll}}{\partial x} \right)$$

Διερχόμενο ρεθρα (I): $J_{\delta} = -i\hbar \left(\frac{4\pi}{100} \frac{\partial 4\pi\rho_{cll}}{\partial x} - \frac{4\pi\rho_{cll}}{\partial x} \right)$
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$$5in3x = 3sinx - 4sin^3x$$

 $cos3x = 4cos^3x - 3cosx$
 $tan3x = (3tanx - tan^3x)/(1-3tan^2x)$
 $sin3x = 2cos^2x - sin^3x$
 $= 1-2sin^9x$
 $= 2cos^2x - 1$

$$5in 1 x = 9 cos x 5in x$$

 $cos 2 x = cos^2 x - 5in x$
 $= 1 - 9 sin^9 x$
 $= 9 cos^2 x - 1$
 $tan 2 x = 2 tan x / (1 - tan^2 x)$