acomo Tuna подбарберное Waxonego seece THURABLUM Appact.

B otractu III 4(x) - money mand Comer, more hymno Связав Ну функцию / продолжив ей в облась П.

Oqua y bosuoneurex cucoodo penuso Fry zorgary chogyeous lier 4, (x) u 42 (x) - glor runcino negalerceneroux pourcum

 $\mathcal{Y}''_1 + \frac{2m}{h^2} \left(E - \mathcal{U}_{k} \right) \mathcal{Y}_{\pm} = 0 \quad \otimes \quad \mathcal{Y}_2$ u buytam $\psi_{2}^{11} + \frac{2m}{h^{2}} (E - 216)) \psi_{2} = 0 \otimes \psi_{1}$ из порвого упави. Roppe ynalu.

 $4_24_1''-4_14_2''=0 \Rightarrow 4_24_1'-4_14_2'=\text{const}, \text{ we Zakercent}$

oupogeneral Bponenos, nanc

B paraman.

Turno nongreno upabano cootherest. Ирошной ющий ATO TYPET C = -Sæolx 2 væ e x $\frac{C}{\sqrt{K}} eos \left(\frac{X}{S} Kol X - \frac{\pi}{4} \right) \leftarrow \left(\frac{4}{9} yunyu A \right)$ $\frac{1}{\sqrt{1}} - oguo$ $\frac{1}{\sqrt{1}} + \frac{1}{\sqrt{1}} + \frac{$ 4/1/ : *x<6 + ×> f bojab. pener E e sædx -> - C Sin (Skolx- T) Shoupogene

(2m(E-U(X)) &= J2m(U(X)-E) Cronoco Amerino report. poenen,

k = \2m(E-20/x)) (2) Burnersien Bponeman: 42 41 - 43 42 2 = V2m (21(x)-E) a) upu x < B $\frac{CC}{2\pi}\left(+2+2\right)={}^{+}CC$ B) upu x>B $-\frac{CC}{K}\left(-K\cos^2(000)+(-K)\sin^2(000)\right)=CC$ a)ub) - cobnais => mama muoreja o Bage 42 -Наш нужено плосиал волит в области Ш => 4(x) = 4,(x)-i42(x), upu c=c Возшем минейную комбинацию Cexolx - ice x & xolx $\psi(x)$: $\frac{C}{\sqrt{E}} \exp \left\{ i \left(\int_{0}^{\infty} k \, dx - \frac{\pi}{4} \right) \right\}$ x>6 + x<8 1 Удержание члена п = Sadx ecan сов член n e + Sadx — ирови- $=\frac{C}{\sqrt{L}}\exp\left[i\int_{\mathbb{R}}kolx+\frac{\pi}{4}-i\frac{\pi}{2}\right]=$ = -ic expoli(skolx + II)? -ic exadx MTOIK, were yourobuse Makeiso $\frac{C}{VK} \exp\left\{i\left(\int_{\mathbb{R}} Kolx + \frac{\pi}{4}\right)\right\} \longrightarrow \frac{C}{V\mathscr{Z}} \exp\left\{+\int_{\mathbb{R}} \mathscr{Z} dx\right\}$

о кожф. ирохопедения: Boshpanjarence k zagare how cop. 1 of b ornaciu III: 4α = $\frac{c}{\sqrt{E}} \exp\left\{i\left(\int_{E}^{X} k dx + \frac{\pi}{4}\right)\right\}$ 6 Experien II: Y/x) = C exp { \$ \$ adx } = $= \frac{C}{\sqrt{\pi}} \exp \left\{ \int_{a}^{b} \frac{dx}{dx} - \int_{a}^{\infty} \frac{dx}{dx} \right\} =$ $\Rightarrow 6 \text{ description I : } \forall (x) = \left(\frac{24}{200} \exp \frac{1}{5} \frac{6}{200} \exp \frac{1}{5} - \frac{x}{200} \right)$ $\psi(x) = 2 \exp\left\{\int_{a}^{b} x \, dx\right\} \frac{\cos 2 \int_{x}^{a} k \, dx - \frac{\pi}{4}}{x} = \frac{1}{2}$ $=\exp\left\{\int_{0}^{6} a c dx\right\} \left\{\frac{c e \times p + \sqrt{2}}{\sqrt{k}} + \frac{c}{\sqrt{k}} \exp\left\{-i\left(\int_{0}^{k} k dx + \frac{\pi}{4}\right)\right\} + \frac{c}{\sqrt{k}} \exp\left\{-i\left(\int_{0}^{k} k dx + \frac{\pi}{4}\right)\right\}\right\}$ nogarousal bonus Сравнивых Carpanceluis ged f(x) Maxogam, vo 6 otractax I 60 111 (кожер. ирохожериий:) $D = \exp \left\{ -2\int_{a}^{e} x dx \right\} = \exp \left\{ -\frac{2}{h} \int_{a}^{k} |p| dx \right\}$ в условии в области приношнивови OTWOTHER, 250 - кожр. ирохопедения Chaquinance nogxoga FRANCHOUGHARDENO CELAN.

Квазистацио парние состоякия У Ширина и вромя пизии.

Pacerero Thum forgary 1 U(x) my hardly I I

Eenic 5 pdx = ITh (n+1/2) - dogamoe cocto seme.

Ио у гастиун есть конениам (снапам) верообност миступрацию-

Tapped his grante I есточние гастум в эме

(yracion II) me abasecce oraquouspura 14/x/12 + const upu secrioque
- yoribact no beaucum. Czenaem ogenny bromone maxong.

гастун видори эште с С Точин зроших каже межашим один

paz za krowanici holinog = To - leverya governact chamingue

krowe. σ_{D} racea x=6, a c bepositive $W=\int_{0}^{\infty} \left(D-korp\phi\right)$

TYMHEMIPYET Copy of rock III a gxogut no Economeració

=> Oyoulor Chewen haxougehund Coupty onne - ~

T = \To rge \n\-rucho knacou reonux copuopol,

Thosyemun gad noungomend same; In> w=1 => (n)= D>>1

Попробует Обоснового Ну очения в кванговой неохонике.

Figet upu t=0 Y(x,t=0)=Y(x) - boundone

4-yell Gayaceap. Cocs., eary Tu U/x) no yearreax

> II u W - Sort uiouorouno poc you gleaureenen

Torga Homoyud Co Chemoun:

 $\Psi(x,+) = \int_{0}^{\infty} dE \, \Psi_{E}(x) e^{-iEt} \langle \Psi_{E}(x)|\Psi(x,+=0)\rangle$

 $\psi_{E}(x)$ - crayuou. cocho suna hannoi zagarue - $-i\left(\int_{K}^{x} ke/x + \frac{\pi}{4}\right) + i\left(\int_{K}^{x} ke/x + \frac{\pi}{4}\right)$ $= \int_{E}^{x} \left(\int_{K}^{x} ke/x + \frac{\pi}{4}\right) + \int_{K}^{x} \left(\int_{K}^{x} ke/x + \frac{\pi}{4}\right)$ nogorogas otherwand Conver

Thuren topp. othermehund = |A|^2 = 1 - 6 negetbuer

сохраноший вероблисти — у нас нет прошедией вомин.

Thu $E \sim E_h$ $A_E \propto \frac{E - E_h - i \frac{\Gamma_h}{2}}{E - E_h + i \frac{\Gamma_h}{2}}$ upu $E = E_h - i \frac{\Gamma_h}{2}$

Buyfpu dun , otrach II, u npu $E \approx En$

 $\Psi_{E}(x) \sim \frac{\Psi_{h}(x)}{E - E_{h} + \frac{i \Gamma_{h}}{2}}$ $\Rightarrow \langle \Psi_{E}(x) | \Psi(x, t=0) \rangle \sim \frac{1}{E - E_{h} + \frac{i \Gamma_{h}}{2}}$

Unterpoin no E

дефоры. колтур интецирования по Е

Brag Currera - camouis malumis

 $\Rightarrow \psi(x,t) \sim \psi_n(x) \cdot e^{\frac{-i}{\hbar}(E_n - i\frac{\pi}{2})t} = \psi_n(x)e^{\frac{-iE_nt}{\hbar} - \frac{\pi}{2}t}$

(4/x,t)|2 ~ |4/x)|2. e +

Brown mugue (2 = th)

- вероятность умания Се 6e-pay.

 $E_n - i \frac{\Gamma_n}{2}$

Эмергия Квази уровия Tn - имрина квариуровий.

С конрр. ирохождения. In

Tropposyem AE = 0 um , 400 Akbubar. 100 topp. upin nagarogois Come = 0.

I more cet beet yenders cumber. Pc

Letanu burnerenue moreno Proceso There buill,

в дополнории к жой помуши, Приводей резумьтах:

 $tg = -i \frac{D}{4}$, $rge D = exp \left[-2 \int_{\theta}^{\infty} x dk \right] - (c) + cp$.

X = S Kdx - F

Museur pernehine Foro Guabachus

Icock E=En-in

Donomenue burbog Lopenyane to $x = -i\frac{D}{4}$, outrogenous year employed kbozueray. \1 u(x) T III IV noncaby a malma cootbercs. которые или кашти ранос Tarme pouce um bleau OFROUGH T/X):

a

- Sædx

OFROGER T)

C

2 Væ oboznavehue $V = \int_{0}^{6} kolx - \frac{\pi}{2}$ D = 0= C cos & cos (skolx - #) + C sind sin (skolx - #) Exacts III) C conde & - C sind + Sadx = $= \frac{C \cos x}{2 \sqrt{\epsilon}} \left(-\int_{e}^{\infty} dx + \int_{e}^{\infty} dx \right) \qquad \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad \int_{e}^{\infty} dx$ $= \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{2 \sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}} \left(\int_{e}^{\infty} dx - \int_{e}^{\infty} dx \right) \qquad = \frac{C \sqrt{D \cos x}}{\sqrt{\epsilon}}$ Tack \overline{VV} $-\frac{C\sqrt{D}\cos d}{2\sqrt{A}}\sin\left(\frac{x}{S}kdx-\frac{\pi}{4}\right)-\frac{2C\sin d}{\sqrt{B}}\cos\left(\frac{x}{S}kdx-\frac{\pi}{4}\right)=$ $=\frac{e^{\frac{1}{C}}}{\sqrt{K}}\left(\frac{C\sqrt{D}\cos d}{4}-\frac{C\sin d}{\sqrt{D}}\right)+e^{\frac{1}{C}}\left(\frac{x}{S}kdx-\frac{\pi}{4}\right)\left(\frac{C\sqrt{D}\cos d}{\sqrt{D}}-\frac{C\sin d}{\sqrt{D}}\right)$ Требование отсутствия метотагочей справа воли >6 Daer yerobue tgd=-il