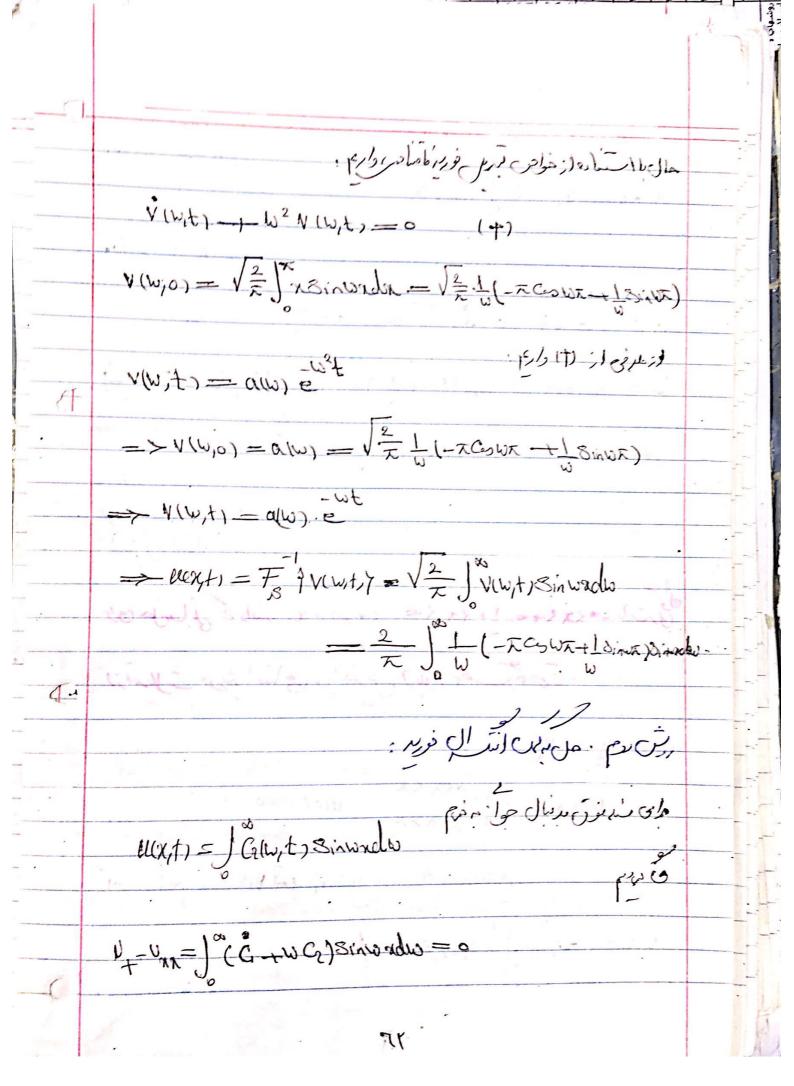
$V(0,0) = Q_0 = \frac{2}{\pi} \int_0^{\pi} \chi d\chi d$	N.S.
$V(l,t) = -1,$ $V(l,t) = -1,$ $V(l,t) = -t + c \xrightarrow{=} c = -\frac{4}{\pi}$ $V(l,t) = -\frac{4}{\pi} = -\frac{4}{\pi}$. •
$\frac{\pi}{2} \text{ (t)} = \frac{\pi}{2} \rightarrow (t \rightarrow \frac{4}{\pi}) \cos x + \sum_{n \geq 2} \left(\frac{2}{\pi n^2} (+v^2) + \frac{(-v)^2}{4\pi^2}\right) + \frac{(-v)^2}{4\pi^2}$ $\frac{-(n^2 - 1)t}{x \epsilon} \rightarrow \frac{(-1)^n}{n^2 - 1} \left(\frac{\cos nx}{n^2} + \frac{(-v)^n}{n^2 - 1}\right) + \frac{(-v)^n}{n^2 - 1}$)
$x \in \frac{-1}{n^2-1} \downarrow \operatorname{Cesm}_{\bullet}$	
 کسترشی متعای ناساحی: علی ملی ان کے دانسہ یہ سورت ۲۶ ۲۵ میا ۱ ۲۶ میں۔ با شری	
در تسر بلات مرینم اساعی و با تسریلی الایلای ضرع هیات. ها = یا (۶۵) میا	(15
$U(x,0) = \begin{cases} x & \text{of } x < x \\ 0 & \text{of } x > x \end{cases}$ $U(x,0) = \begin{cases} x & \text{of } x < x \\ 0 & \text{of } x < x \end{cases}$	
V(v,t) = \frac{2}{\sqrt} \frac{\munda}{2} \frac{\mundan}{2} \mund	
71	17



$$C_{1} + \omega^{2}C_{1} = 0 \longrightarrow C_{1}(\omega_{1}t) = \alpha(\omega_{1}) e^{-\omega_{1}t}$$

$$\Rightarrow u(x_{1}t) = \int_{0}^{\infty} \alpha(\omega_{1}) e^{-\omega_{1}t} dx = \int_{0}^{\infty} \sqrt{x_{1}} dx = \int_{0}^{\infty}$$

 $\Rightarrow a(b) = \frac{2}{\pi} \int cosucles = \frac{25ins}{\pi b}$ Uf (40) = I w bku, coswacho = 0 - Mat) = 2 / Sino contemado. elet Fluxxix= Kw,t, $= \frac{1}{\sqrt{1 - Cv}} = 0 \quad \text{Netwo} = \sqrt{\frac{2}{\pi}} \int_{0}^{\infty} \cos w x dx = \sqrt{\frac{2}{\pi}} \frac{\sin w}{w}$ Y(wt) = a(w) cosut + b(w) sinut 2 Dinio Cosut. = U(x,t)= F= 1 V(w,t) = V= 1 V(w,t) Coundr = 2 / Sinw cowt Cown dw & 00+> Row - 0 = RP + KK (X3) U(2,0) = 1 , 12(1) U(1x,0) = 0

	==
$\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \right) \right)}{1} \right) \right)}{1} \right) \right)} \right)} \right)}} \right)}}} \right)} \right)} \right)} \right)} $	
$F_{\pi} \{u(xy) = \sqrt{2x} \}^{+\infty} u(xy) = e dx$	
: pb F 10 2 = - w 2 V (w, y) wild rose be	
$V''(w,y) - \omega^2 V(w,y) = 0$	
$V(w_0) = \frac{1}{x} \left(\frac{u(x_0)}{x_0} \right) = \frac{1}{\sqrt{2x}} \int_{-1}^{1-iwx} dx = \sqrt{\frac{2}{x_0}} \frac{8inw}{w}$	
1/16/0) = 0 => V(V)y) = aw chuy - bwshiy	
$b(\omega) = 0$, $V(\omega,0) = Q(\omega) = \sqrt{\frac{2}{\kappa}} \frac{8\pi\omega}{\omega}$	
V(Wy) = V= Bino chuy	
=> ((xy)= = 1 / (wy)] = 1 / 100 / 100 db	5)
= 1 /700 gins chiwye do	
the 2T	
En) Ut-Una = } 2,050 27	
$v(x,0) = \begin{cases} 2x-1, & 0 \leq x \leq 1 \\ -1, & q \geq 1 \end{cases}$	
(المعنى ترط مزى المعنى طائم كى المعالى	
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