$\mathcal{U}(L|=0 \Rightarrow) \quad \forall L=0 \Rightarrow \ \forall L=0$

However: Eoth papers hours L30 kar $M(0,t)=U_1$ in Dephokeparia ota $M(L,t)=U_2$ in Papers have in Dephokeparia anchouse the strower $N_{t} = kN_{xx}$. Se antipo xeòsò π_{01x} Da siva a directorpasia my paposos γ_{1a} kale $X \in [0, L]$. kuxx =0 => u= ax+b u(1) = u2 · u(0) = 6 = U, · · · · u(x) = xx + u, => u(L) = xL + u, = uz => x = u2-u, Δpa $n(x) = \frac{4z-2l_1}{x} + 2l_1$

Metaoximator Fourier (
$$t \stackrel{T}{\Rightarrow} \omega \stackrel{T^{-1}}{\Rightarrow} t$$
)

$$f(\omega) = \int_{-\infty}^{+\infty} f(t) e^{-i\omega t} dt \xrightarrow{p^{-1}} f(t) = \frac{1}{2\pi} \int_{-\infty}^{+\infty} \hat{f}(\omega) e^{i\omega t} d\omega$$

$$f(x,t) \stackrel{T}{\Rightarrow} \omega \qquad \hat{f}(\omega,t) = \int_{-\infty}^{+\infty} f(x,t) e^{-i\omega x} dx \xrightarrow{p^{-1}} \chi \qquad \hat{f}(x,t) = \frac{1}{2\pi} \int_{-\infty}^{+\infty} \hat{f}(\omega,t) e^{i\omega x} d\omega$$

$$((x,t) \stackrel{T}{\Rightarrow} (\omega,t) \xrightarrow{p^{-1}} (x,t)$$

$$((x,t) \stackrel{T}{\Rightarrow} (\omega,t) \xrightarrow{p^{-1}} (x,t)$$

$$E_{\overline{s}} : \sigma \omega \sigma \psi \qquad \partial c_{\overline{s}} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat{c} : \sigma \omega \tau \psi \qquad \partial c_{\overline{s}} = \widehat$$

Magneria Doubopieri Gioway
$$\overrightarrow{T_{X \to W}}$$
 Imida Diedopiery Gioway $\widehat{\mathcal{U}}_{E}(w,t) = -\kappa w^{2} \widehat{\mathcal{U}}(w,t) \Longrightarrow \begin{cases} \widehat{\mathcal{U}}_{E} + \kappa W^{2} \widehat{\mathcal{U}} = 0 \\ \widehat{\mathcal{U}}(w,0) = \widehat{f}(w) \end{cases}$

$$\widehat{\mathcal{U}}(w,0) = \widehat{f}(w)$$

$$\widehat{\mathcal{U}}(w,t) = C(w) e^{-\kappa w^{2} t}$$

(FZy(x)] = (iw) + fy]

Mxx Tx = w = W (w,t)

 $\hat{\mathcal{A}}(\omega, \varepsilon) = C(\omega) e^{-\kappa \omega^2 \cdot 0} = \left[C(\omega) = \hat{f}(\omega) \right]$ $\hat{\mathcal{A}}_{\rho\alpha} \quad \text{in } \text{The size } \hat{\mathcal{A}}_{(\omega, +)} = \hat{f}(\omega) e^{-\kappa \omega^2 + 1}$

Ano Auriorpudo M. Pourier HO HUTIOTPUDO M. Fourier

Town availabations

The print availabation availabations

The print availabation availabations

The print availabation a $P\{e^{-x^2/4kt}\} = \sqrt{4\kappa\pi t} e^{-k\omega^2 t}$ $\hat{A}_{(w,t)} = \hat{f}_{(w)}e^{-k\omega^2t} = \hat{f}_{(w)} + \hat{f}_{(w,t)} = \hat{f}_{(w)}e^{-k\omega^2t} = \hat{f}_{(w)} + \hat{f}_{(w,t)} = \hat{f}_{(w,t)} + \hat{f}_{($ $\frac{\sum_{w \in \lambda_{15}} (f * 9)(x)}{f^{2}} = \int_{-\infty}^{\infty} f(5) g(x-5) d5 = \int_{-\infty}^{\infty} f(x-5) g(5) d5 = (9*4)(x)$ $\int_{-\infty}^{\infty} f * 9 = \int_{-\infty}^{\infty} f(x-5) g(x-5) d5 = \int_{-\infty}^{\infty} f(x-5) g(5) d5 = (9*4)(x)$ $\int_{-\infty}^{\infty} f(x-5) g(x-5) d5 = \int_{-\infty}^{\infty} f(x-5) g(5) d5 = \int_{-\infty}^{\infty} f(x-5) g(5) d5 = (9*4)(x)$ $u(x,t) = \frac{1}{\sqrt{4\kappa\pi t}} \int_{-\infty}^{\infty} f(x-3)e^{-\frac{3}{2}} \frac{4kt}{4kt} d3$ The property of the pr

$$\frac{1}{4(x+1)} = \frac{1}{2} \left(\frac{\infty}{2} \right)^{\frac{1}{2}}$$

$$u(x,t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{f}(\omega) e^{-k\omega^2 t} e^{i\omega x} d\omega$$

$$M(x,+) = \frac{1}{\sqrt{4k\pi + 1}} \int_{-\infty}^{\infty} f(x-5) e^{-5^2/4k+1} d5$$

(Exa tur isia 4000) Euraphon Mikustaras Tridanstaras font kansvikas kazuvofais

$$p(x) = \frac{1}{2\sigma^2} e^{-\frac{(x-h)^2}{2\sigma^2}}$$

$$\int_{-\infty}^{+\infty} P(x) dx = 1$$

$$e^{-\frac{3^2}{4kt}}$$

$$\frac{\pi_{\varphi} \times S_{\alpha + \alpha}}{M(x, 0)} = 100 = f(x)$$

$$\frac{\pi_{(x, 0)}}{M(x, 0)} = 100 = f(x)$$

$$\frac{\pi_{(x, 0)}}{\pi_{(x, 0)}} = 100$$

$$\frac{\pi_{(x, 0)}}{\pi_{(x, 0)}} = 100$$