Transformadas integrales L'omplement 2 $\phi(x) = \int_{K^{\epsilon}} J(x,k) \, \tilde{\phi}(k) dk$ $\phi(k) = \sum_{x} \xi(x \mid x) \phi(x) qx$ $\phi(x) = \int_{K^{t}}^{k} \lambda(x'k) \left[\int_{X^{t}}^{x} \xi(x,k) \phi(x,y) \, dx, \int_{X^{t}}^{t} dx \, dx \, dx \right] dx$ $= \int_{X_0}^{X_0} \phi(x') \left[\int_{X_0}^{X_0} \eta(x',k) \xi(x',k) dk \right] dx'$ concluye que: $(x,k) = (x,k) dk = \delta(x-x')$ Arrahyanmente $\oint(k) = \int_{-\infty}^{\infty} \xi(x,k) \left[\int_{-\infty}^{\infty} \gamma(x,k') \widetilde{\varphi}(k') dk' \right] dx$

 $\hat{\phi}(k) = \int_{k_0}^{k_f} \hat{\phi}(k') \left[\int_{x_0}^{x_f} \gamma(x,k') \xi(x,k) dx \right] dk$

la que permite concluir que: $\begin{cases} x_{\xi} \\ y(x,k) \in (x,k) dx = \delta(k'-k) \end{cases}$

,

$$\phi(x) = \frac{1}{\sqrt{2\pi}} \int_{\infty}^{\infty} e^{ikx} \phi(k) dk$$

$$\delta_{0} \qquad \eta(x,k) = e^{ikx}$$

$$\Re(x_1k) = \frac{e^{ikx}}{\sqrt{2\pi}}$$

$$\frac{1}{\sqrt{p(k)}} = \frac{1}{\sqrt{n\pi}} \int_{-\infty}^{\infty} e^{-ikx} \, \varphi(x) \, dx$$

$$\frac{1}{\sqrt{n\pi}} \int_{-\infty}^{\infty} e^{-ikx} \, \varphi(x) \, dx$$

$$\int_{0}^{\infty} \xi(x,k) = \frac{e^{-ikx}}{\sqrt{2\pi}}$$

$$\frac{1}{2\pi} \int_{-\infty}^{\infty} e^{ik(x-x')} dk = 8(x-x')$$

$$\frac{1}{2\pi} \int_{-\infty}^{\infty} e^{ix(k-k')} dx = 8(k-k')$$

$$\frac{1}{2\pi}\int_{\infty}^{\infty} e^{ix(k-k')} dx = 8(k-k')$$