Con

Para el espacio de Fourier.

$$\langle \delta_{x}^{*} \delta_{y} \rangle = \langle 1\delta_{x}|^{2} \rangle = \frac{1}{V^{2}} \int d^{d}x \, e^{ix \cdot x} \int d^{d}y' \, e^{ix \cdot x'} \, \langle \delta(x) \, \delta(x') \rangle$$

$$= \frac{1}{V^{2}} \int d^{d}r \, e^{-ix'} \, \xi(n) \int d^{d}x \, e^{i(x-x')x} = \frac{1}{V} \int d^{d}r \, e^{ixr} \, \xi(n) = \frac{1}{V} \int d^{d}r \, e^{ixr'} \, \xi(n)$$

$$= \frac{1}{(2\pi)^{d}} \int d^{d}k \, e^{ixr'} \, P(k)$$

Con  $\xi(r) \neq \xi(\hat{r})$  (isotropico) y con la que conseguirnos  $\vec{k} \cdot \vec{r} = k \cdot r \cos \theta$ 

$$Con \quad \xi = 2\pi \int \xi u \eta^{2} d\eta \quad \partial u \eta d\eta$$

$$Con \quad \xi = \left(\frac{1}{10}\right)^{n} \Rightarrow P(\kappa) = \frac{4\pi}{(10)!} \int_{0}^{\infty} \eta^{2+2} \frac{Sen(\kappa\eta)}{\kappa} d\eta$$

Para angolos pequeños Sen(Kr) -> Kr

equeños Sen (KY) 
$$\rightarrow$$
  $\chi$ 

$$P(\kappa) = \frac{4\pi}{(v_0)^2} \int_0^\infty \gamma^{7+2} d\gamma = \frac{4\pi \kappa^3}{1} \left(\frac{1}{10\kappa}\right)^{\frac{1}{10\kappa}}$$