300jaron 4. $\int_{A/S} = \langle u_{x}(\vec{r}_{\lambda}) u_{\beta}(\vec{r}_{z}) \rangle, \vec{r}_{\lambda} \neq \vec{r}_{z}$ $u_{x}(\vec{r}_{x}) = \sum_{\xi} \sqrt{\frac{t}{2}} v_{w_{\xi}} \sqrt{\frac{$ + ex at e-ifit + iwt 7 $U_{13}(\vec{r}_{2}) = \sum_{\zeta} \sqrt{\frac{t}{2}} V_{\zeta}$ 2 list at e + lpt at e-ifiq + int ? Yrumlouen, zmo $\langle \alpha_{\xi} \alpha_{\xi} \rangle =$ $\langle a_{\xi}^{\dagger} a_{\xi}^{\dagger} \rangle = 0$ $\langle a_{\xi}^{\dagger} a_{5} \rangle = \overline{n}_{\xi} \delta_{\xi \zeta}$ $\langle \alpha_{\xi} \alpha_{\xi}^{\dagger} \rangle = (\overline{n_{\xi}} + 1) \delta_{\xi\xi}$

$$\begin{array}{c} \left(\frac{1}{\sqrt{2}} \right) = \frac{1}{2} \cdot \frac{1}{\sqrt{2}} \cdot \frac{1}{\sqrt{$$

=
$$\sum_{i=1}^{N} \frac{V}{(2\pi)^{3}} \int_{i} d^{3} + \frac{\pi}{gVC_{5}} \int_{i} d^{3} + \frac{\pi}{gVC_{5}}$$

$$\frac{\sum_{k=1}^{k} \frac{1}{k} \frac{1}{$$

$$= 4\pi \int_{0}^{\infty} \frac{sm(fR)}{fR} df = \frac{4\pi}{R} \int_{0}^{\infty} \frac{sms}{s} ds = \frac{2\pi^{2}}{R}$$

$$= \frac{2\pi^{2}}{R}$$

$$= \frac{2\pi^{2}}{R}$$

$$\int_{0}^{\infty} \frac{e^{-i\vec{f} \cdot \vec{R}}}{f^{n}} f_{n} f_{n} f_{n} f_{n} f_{n} = A(R) \delta_{n} f_{n} f_{n$$

$$= 2\pi R^{2} \int_{0}^{\infty} d\xi e^{-iR\xi} \xi^{2} =$$

$$= 2\pi R^{2} \int_{0}^{1} d\xi \xi^{2} \int_{0}^{\infty} d\xi e^{-iR\xi} =$$

$$= 2\pi R^{2} \int_{0}^{1} d\xi \xi^{2} \frac{1}{\xi} \int_{0}^{\infty} d\xi e^{-iR\xi} =$$

$$= 2\pi R^{2} \int_{0}^{1} d\xi \xi^{2} \frac{1}{\xi} \int_{0}^{\infty} d\xi e^{-iR\xi} =$$

$$= 0$$

$$A(R) + B(R) = 0$$

$$3A(R) + B(R) = \frac{2\pi^{2}}{R}$$

$$A(R) = \frac{\pi^{2}}{R} \int_{0}^{\infty} B(R) = -\frac{\pi^{2}}{R}$$

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$$\int_{0}^{\infty} B(R) = \frac{\pi^{2}}{(2\pi)^{2}} \int_{0}^{\infty} C_{\xi}^{2} \int_{0}^{\infty} A(R) = \frac{\pi^{2}}{R^{2}}$$

$$+ \frac{\pi}{(2\pi)^{2}} \int_{0}^{\infty} C_{\xi}^{2} \int_{0}^{\infty} A(R) = \frac{\pi^{2}}{R^{2}} \int_{0}^{\infty} A(R)$$