$(x-x')^2=V^2>0, tonu refrancisl$ tol que $t = t' = (x' - x')^2 = r^2 > 0$ $C(r) = \int \frac{3k}{(2\pi)^3 aWr} e^{\frac{2k}{3}k(x-x')}$ $=\int \frac{d^3k}{(2\pi)^3} e^{2k} (\vec{x} - \vec{x}')$ = [dk] do [dp <u>k² rino</u> e 20 0 0 (20) 2/u²+m² = $\int dk \int d\theta \frac{k^2}{r} \cdot \frac{1}{(2\pi)^2 \sqrt{k^2 + m^2}} \frac{d}{d\theta} e^{2kr \cos\theta}$ $= \int dk \frac{h}{(2\pi)^2 2r \sqrt{\mu^2 + m^2}} \left(e^{-\frac{h}{2}kr} - e^{\frac{h}{2}kr} \right)$ $= \int dk \frac{k}{r(2\pi)^2} \cdot \frac{1}{\sqrt{h^2 + m^2}} \cdot \text{Nen}(hr)$ $=\frac{1}{4\pi^{2}r^{2}}\int_{0}^{\infty}\frac{(-k)d(cakr)}{\sqrt{k^{2}+m^{2}}}=\frac{1}{4\pi^{2}r^{2}}\int_{0}^{\infty}cohrd\left(\frac{k}{\sqrt{k^{2}+m^{2}}}\right)$ $= \frac{m^2}{4\pi^2 r^2} \int_{0}^{\infty} \frac{(\omega_1(kr))^3}{(\sqrt{k^2 + m^2})^3} dk = \frac{m^2}{4\pi^2} \int_{0}^{\infty} \frac{d+\omega_1}{(\sqrt{t^2 + m^2 r^2})^3}$ $K_{\perp}(mr) = mr \int dt cont \frac{1}{(t^2 + m^2)^{3/2}}$

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$$C(r) = \frac{m}{4\pi^2 r} K_{\perp}(mr) .$$

$$C(r) = \frac{1}{4\pi^2 r^2}$$

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