

$$G(\epsilon_{\pm}) \sim (\epsilon_-^2 - \epsilon_+^2) \int_0^\infty \frac{dt}{t} \frac{-2 \cos(2\epsilon_+ t)}{\sin(\epsilon_- - \epsilon_+) t \sin(\epsilon_- + \epsilon_+) t} e^{-\mu t}, \quad \mu = a_2 - \bar{U} a_1$$