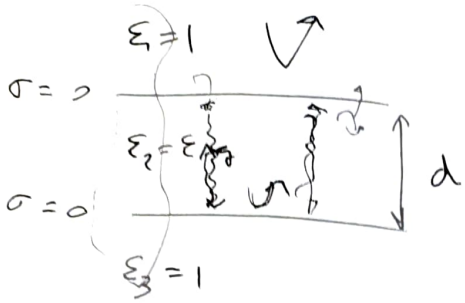
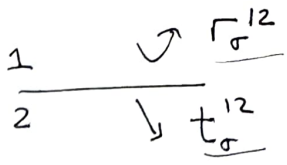


$$\Delta = e^{i k_{zz} d}$$



#300 $\varepsilon_{Ag}^{Drude}(\omega) = \varepsilon_b - \frac{\omega_p^2}{\omega(\omega + i\gamma)}$

$$r_\sigma = r_\sigma^{12} + t_\sigma^{12} \Delta r_\sigma^{23} \Delta t_\sigma^{21} + \quad \sigma = s, p$$

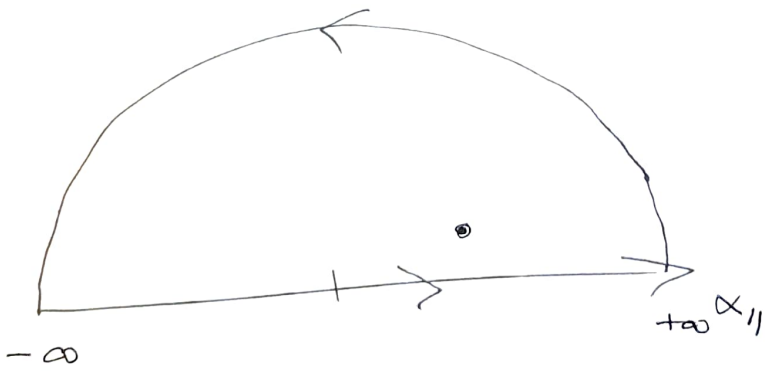
$$+ t_\sigma^{12} \Delta r_\sigma^{23} \Delta r_\sigma^{21} \Delta r_\sigma^{23} \Delta t_\sigma^{21} + (\dots)$$

$$= r_\sigma^{12} + t_\sigma^{12} \Delta r_\sigma^{23} \Delta t_\sigma^{21} \left[1 + \Delta r_\sigma^{21} \Delta r_\sigma^{23} + (\dots) \right]$$

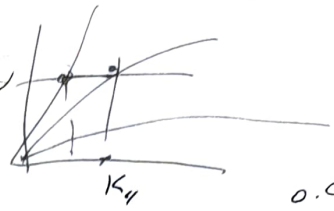
$$= r_\sigma^{12} + t_\sigma^{12} \Delta r_\sigma^{23} \Delta t_\sigma^{21} \sum_{n=0}^{\infty} \left(\Delta r_\sigma^{21} \Delta r_\sigma^{23} \right)^n$$

$$= r_\sigma^{12} + \frac{t_\sigma^{12} \Delta r_\sigma^{23} \Delta t_\sigma^{21}}{1 - \Delta r_\sigma^{21} \Delta r_\sigma^{23}}$$

$$= r_\sigma^{12} + \frac{\Delta^2 t_\sigma^{12} t_\sigma^{21} r_\sigma^{23}}{1 - \Delta^2 r_\sigma^{21} r_\sigma^{23}} \equiv R_p \frac{K_p}{k - K_p}$$



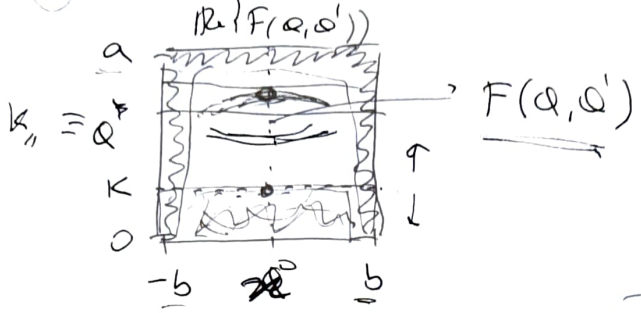
$$\int_{-b}^{b} dq \int_{0}^{a} dq' \; F(q,q')$$

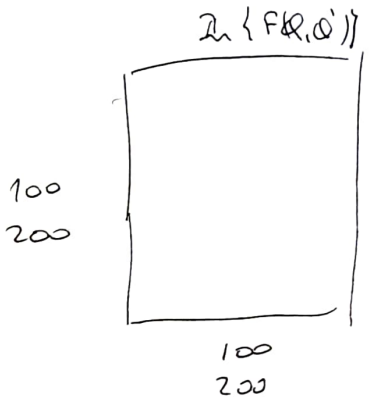


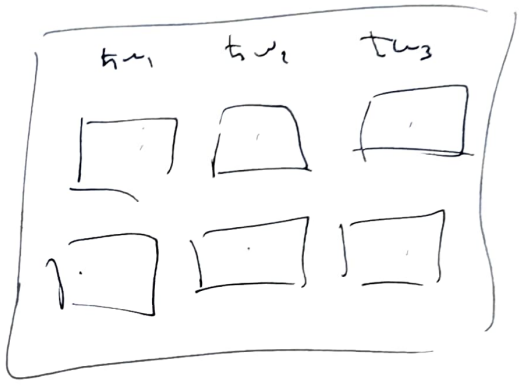
0.001 eV – 1 eV

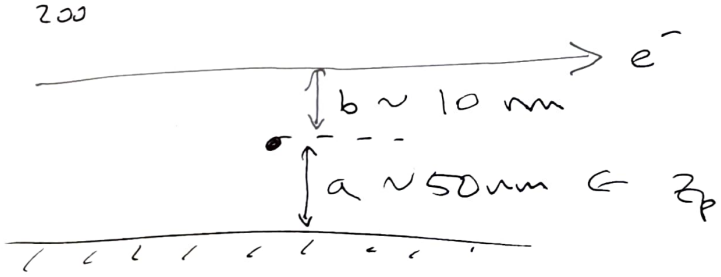
$\hbar\omega$ = 0.001 eV
0.01 eV
0.1 eV
1 eV

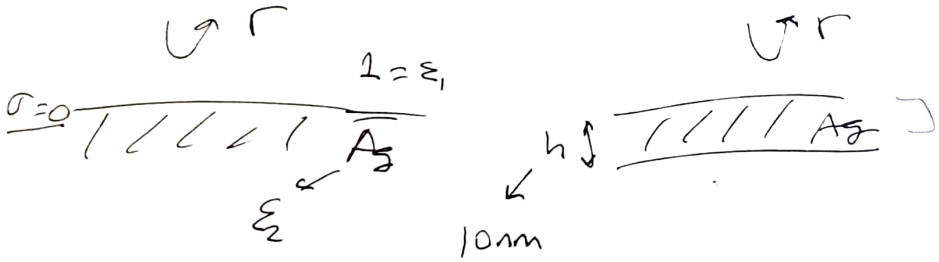
b
z_p











$n \rightarrow \varepsilon \in \mathbb{C}$

K