

The memory-function result for the *resistivity*  
for current along angle  $\vartheta$

$$\rho(T) = \frac{1}{\chi_{\mathbf{J},\mathbf{P}}^2} \lim_{\omega \rightarrow 0} \int \frac{d^2 k}{(2\pi)^2} k^2 \cos^2(\theta_{\mathbf{k}} - \vartheta) \frac{\text{Im } G_{\mathcal{O},\mathcal{O}}^R(\omega, \mathbf{k})}{\omega} .$$