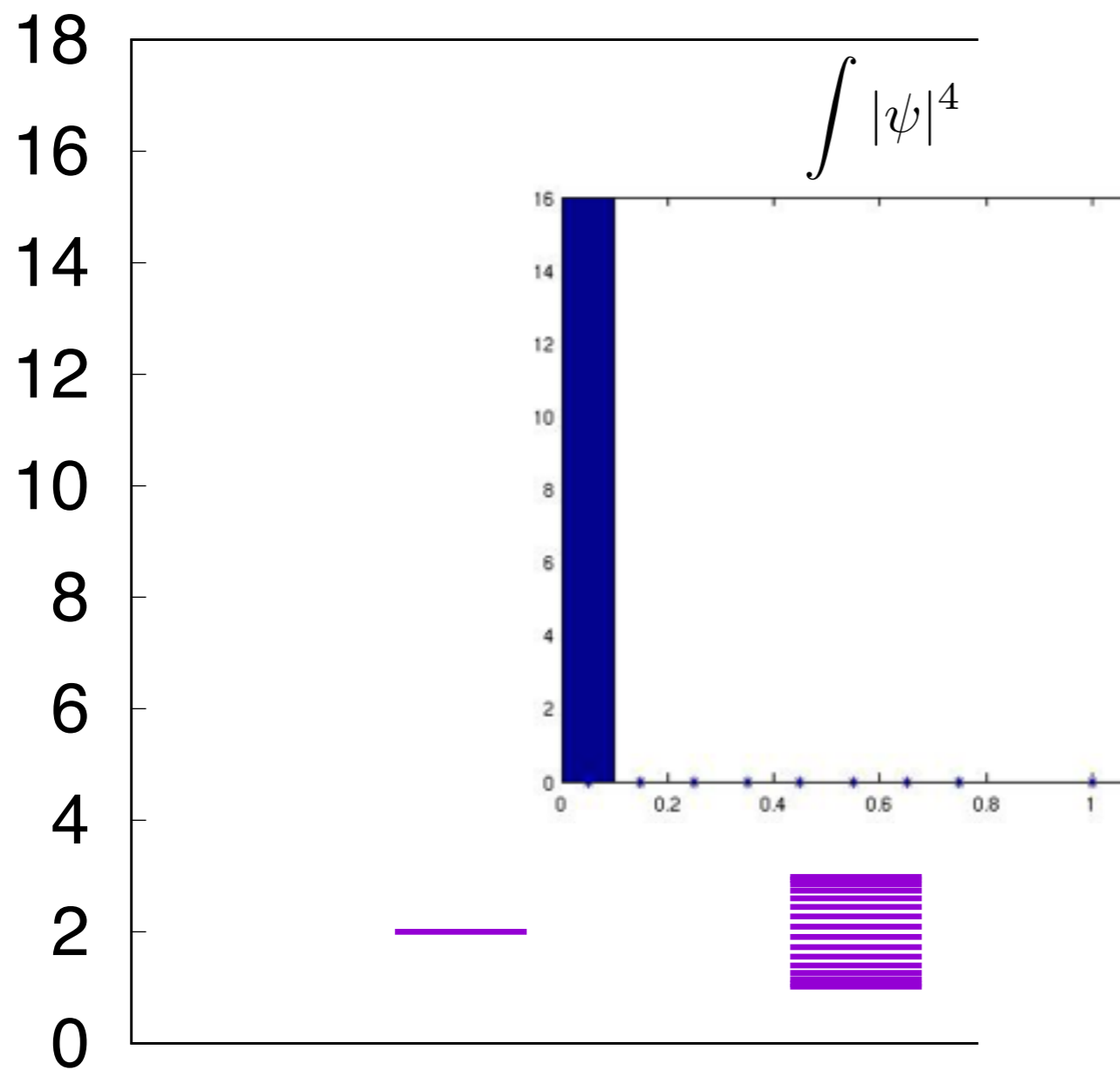


Anderson transition

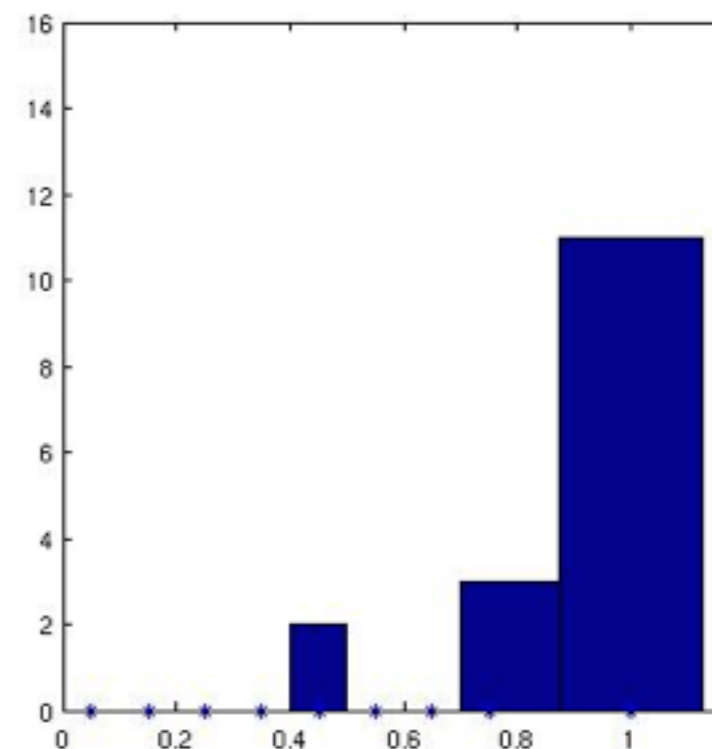
$$E_0 = 2.0$$

$$t = 0.5$$

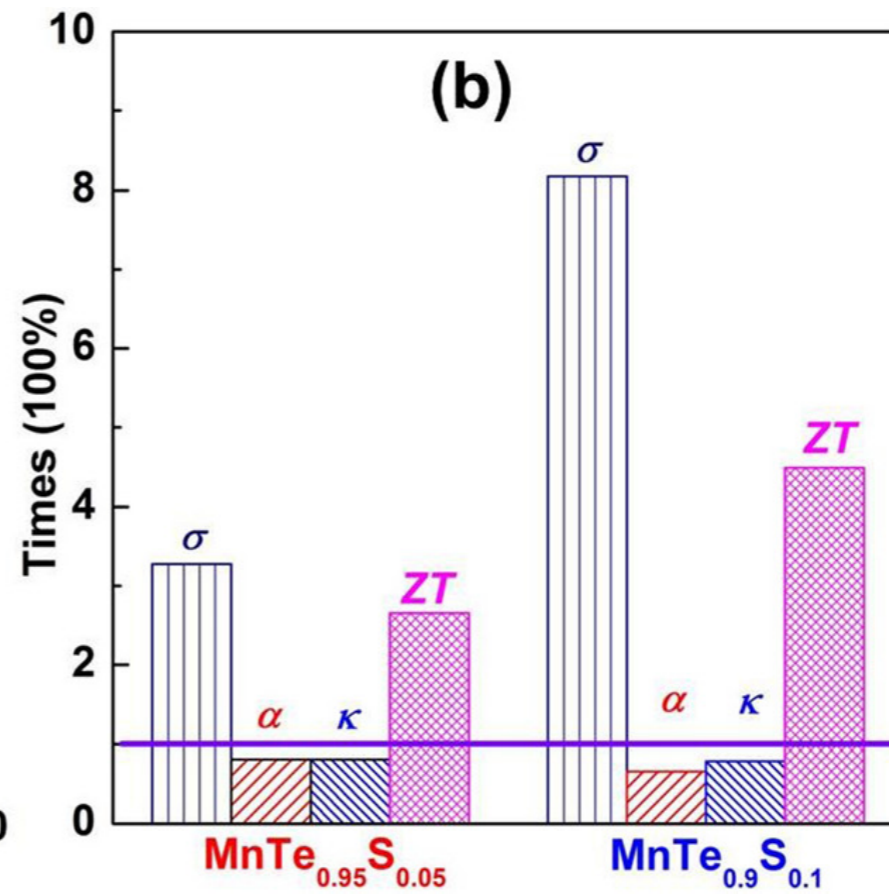
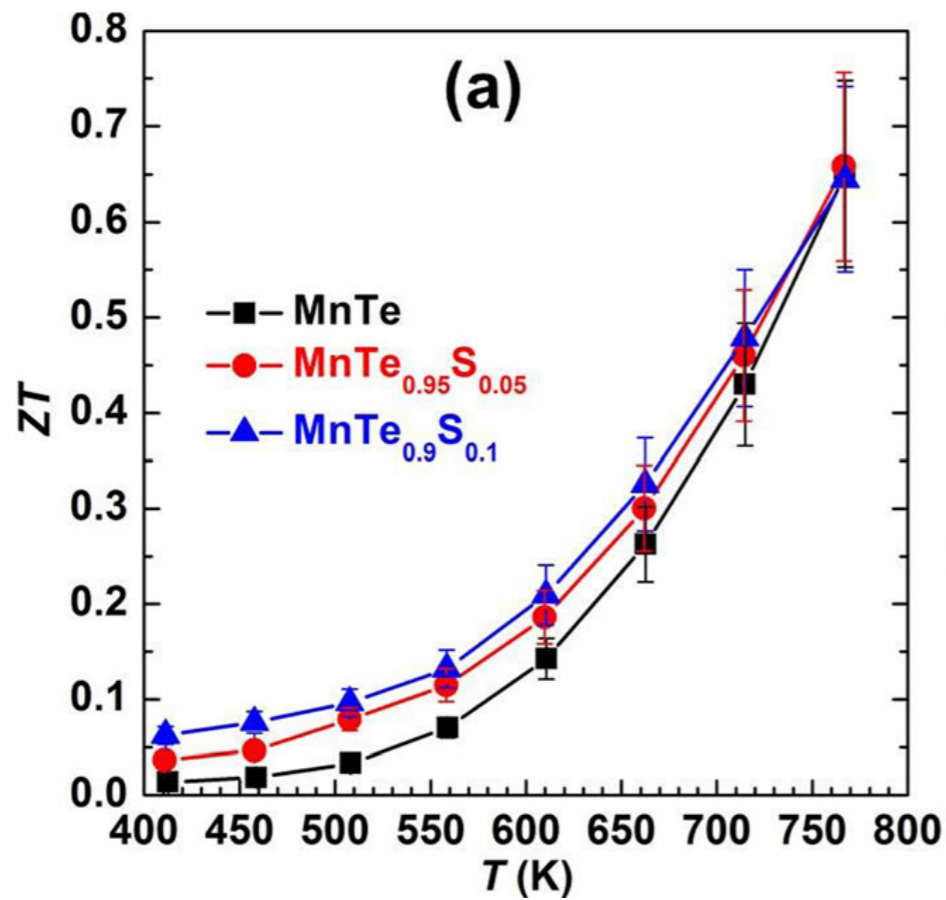
$$E_i = E_0 + \Delta_i$$



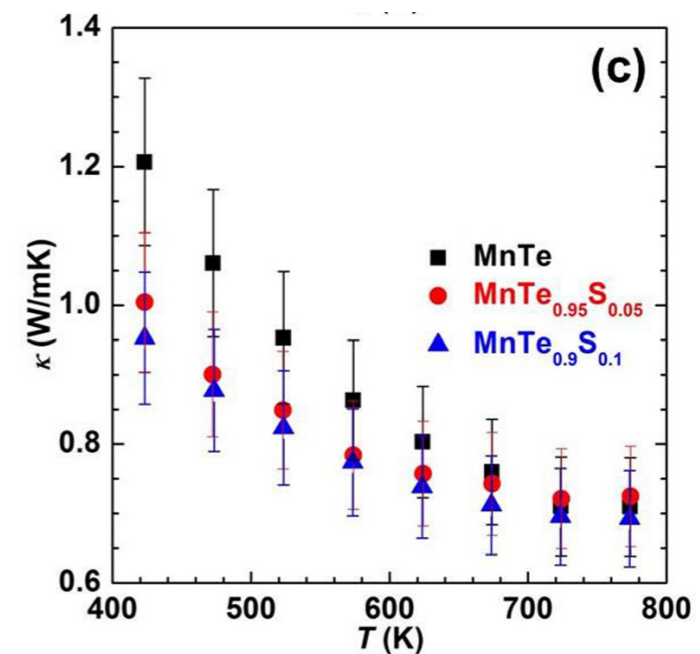
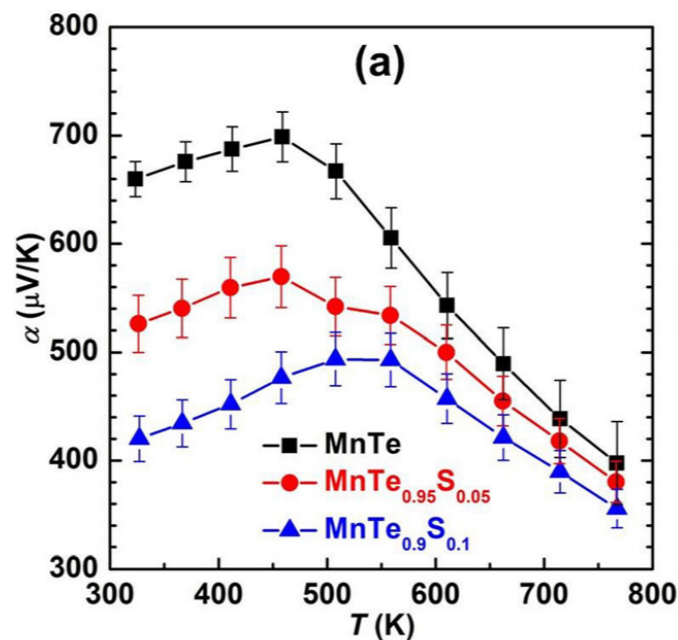
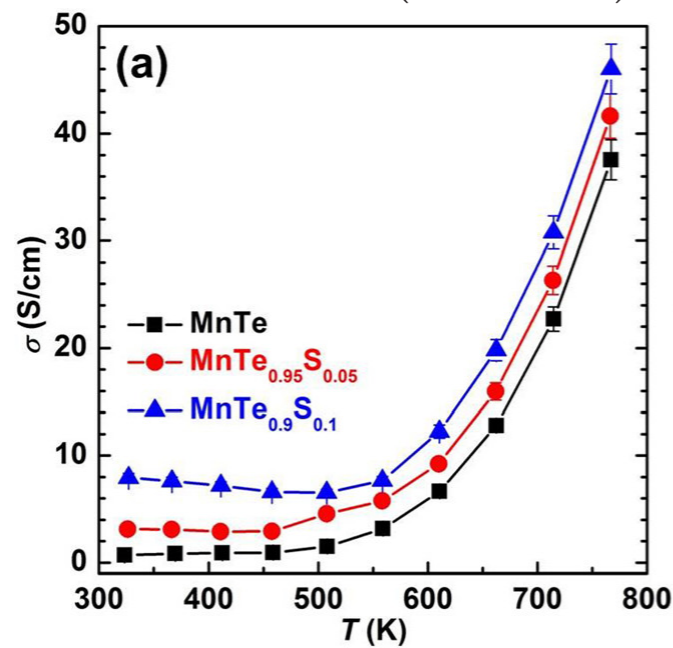
$$0 \leq \Delta_i \leq 16.0$$



MnTe for thermoelectric heat harvesting

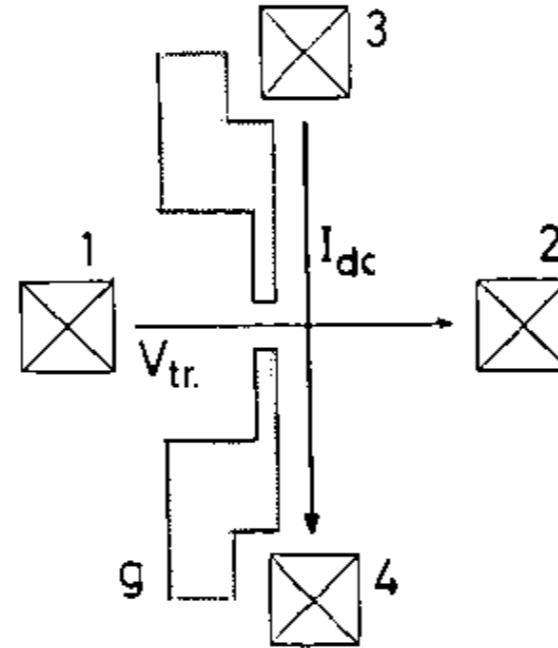
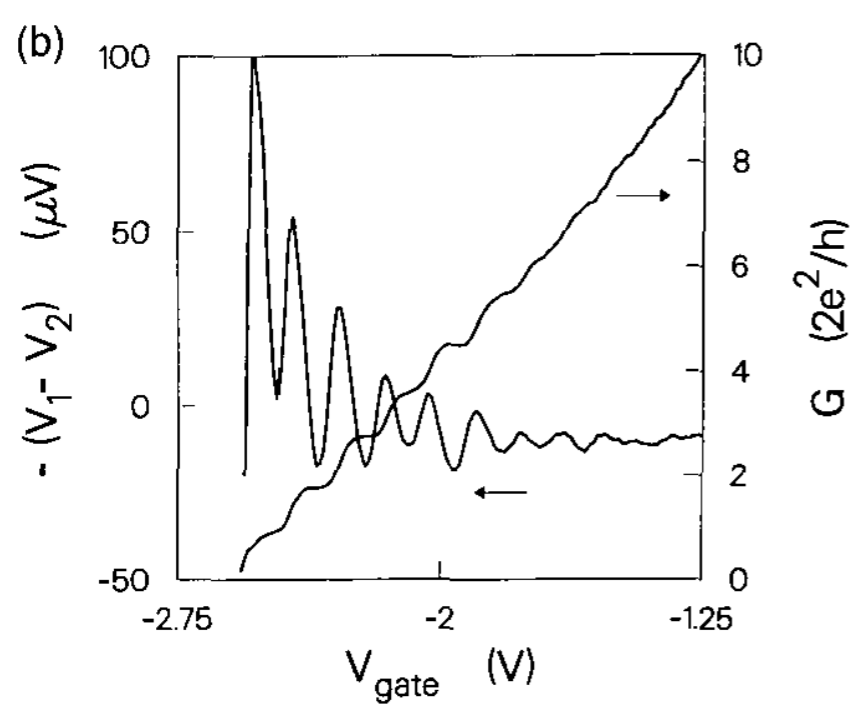


$$\rho = \rho_0 \exp(E_g/2k_B T)$$

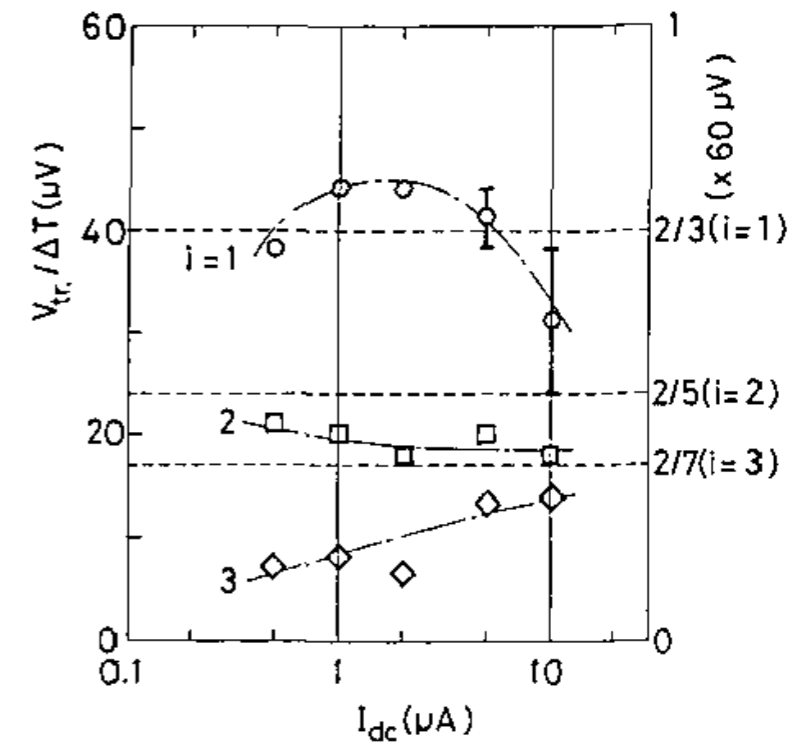


Thermopower in quantum point contacts

Oscillations of thermopower...



... and analysis of peak heights



$$S = \frac{k_B}{e} \frac{\ln 2}{j + \frac{1}{2}}$$