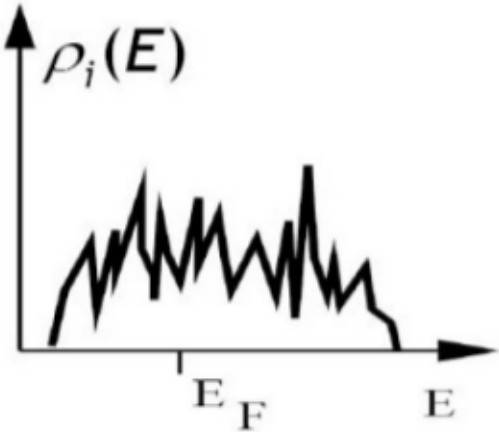
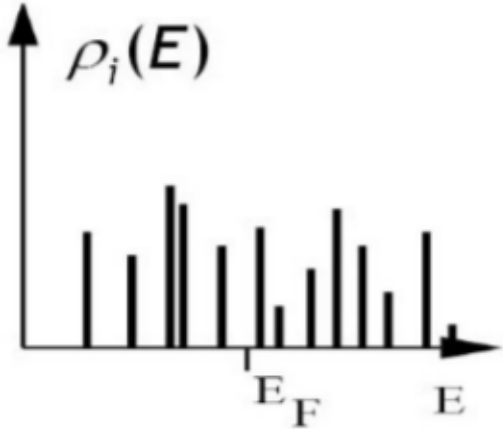
$$\rho_i(E) = \sum_n \delta(E - E_n)|\psi_n(i)|^2$$



metal



insulator