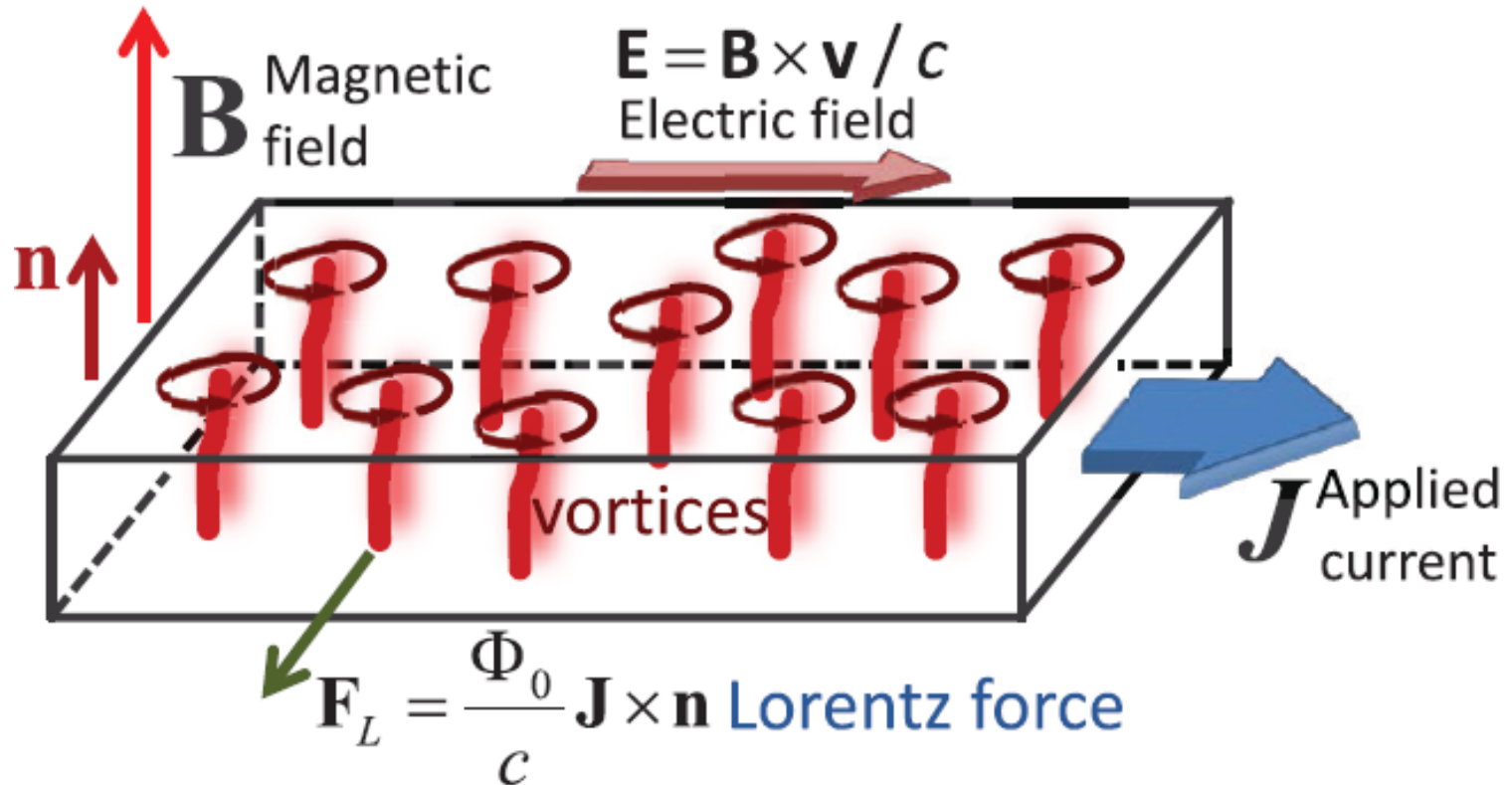
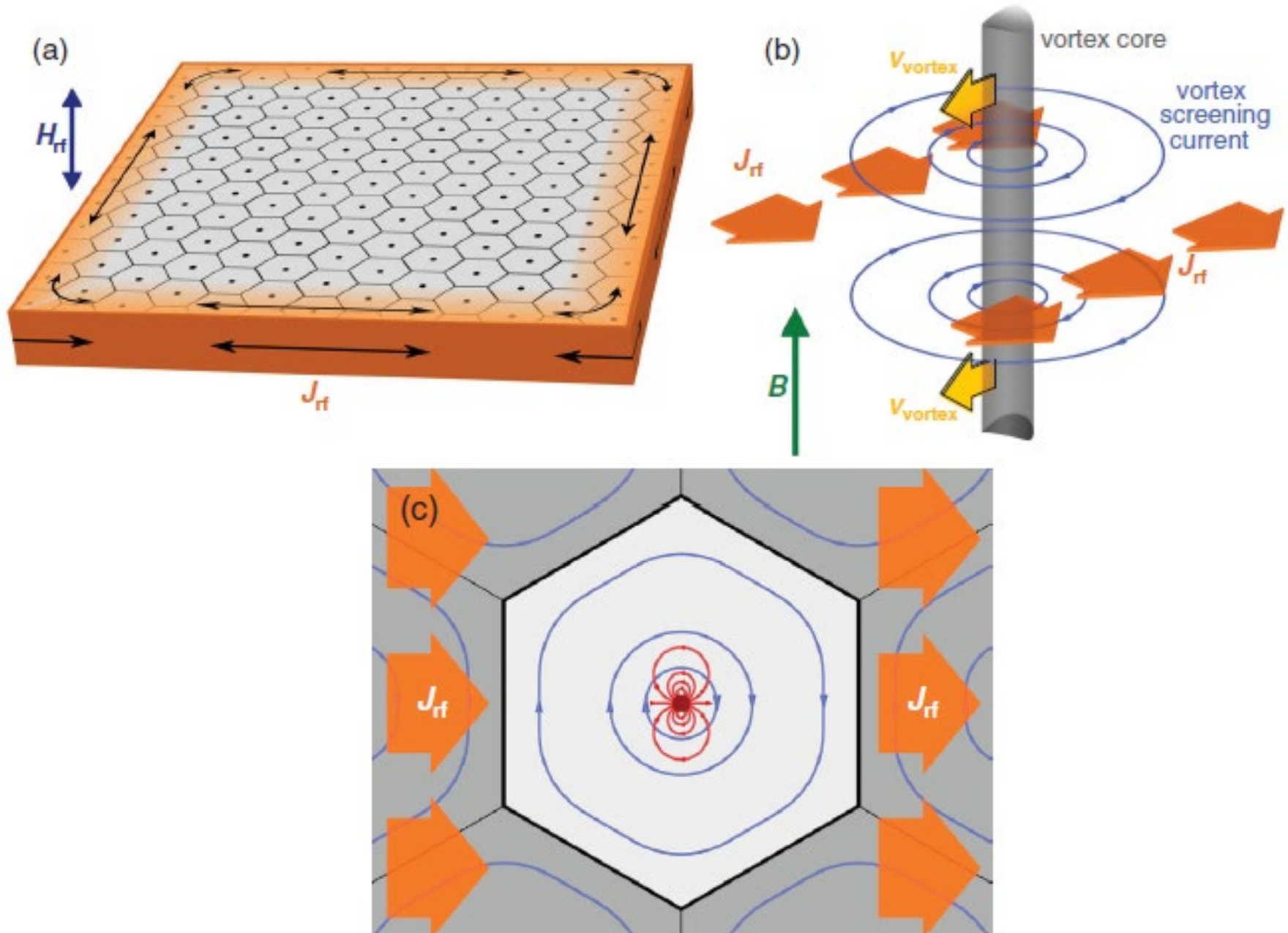


# Flux Flow Resistivity in Superconductors

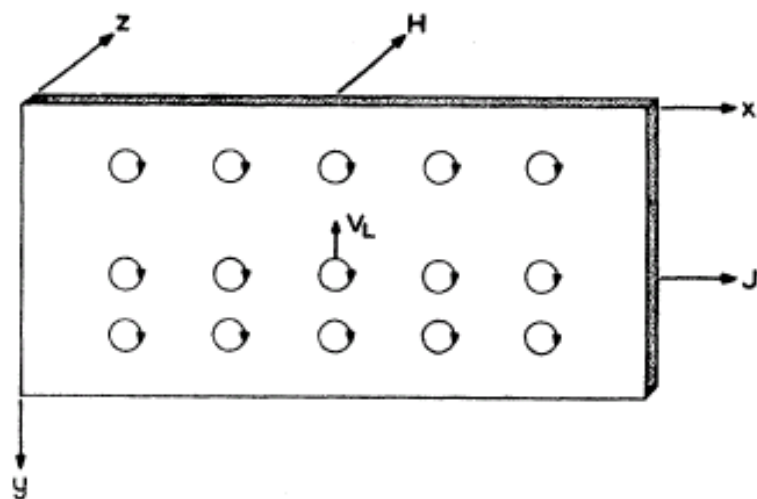


# Flux Flow Resistivity in Superconductors



## Flux-Flow Resistance in Type-II Superconductors

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$$\rho_{ff} = \rho_n \frac{B}{B_{c2}}$$

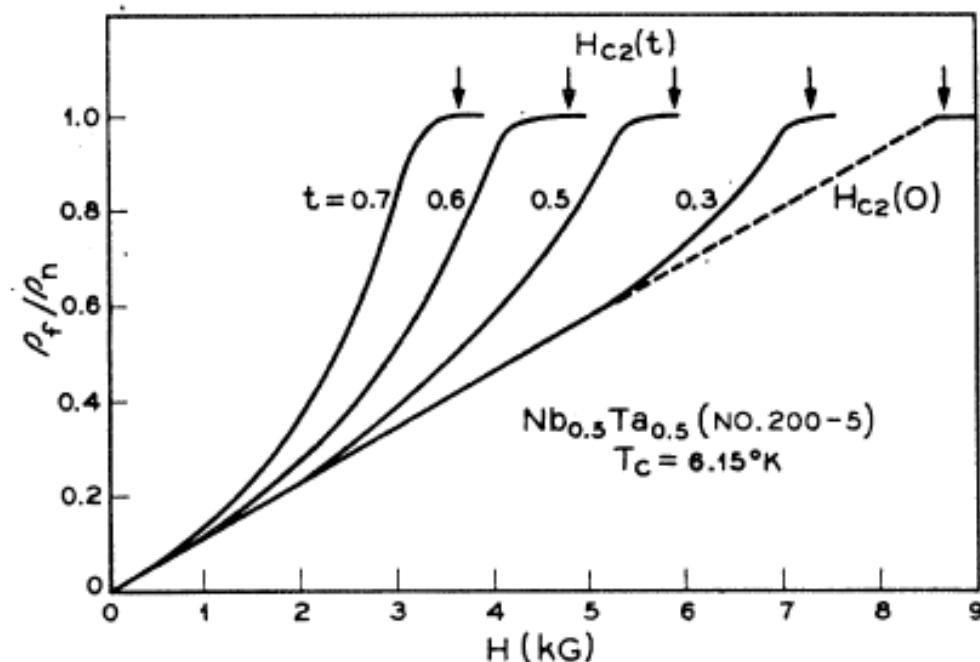


FIG. 4. Flow resistivity versus  $H$  and  $T/T_c$ .  $\rho_f/\rho_n$  of a Nb-Ta specimen is displayed as a function of  $H$  at given values of  $t = T/T_c$ . Vertical arrows indicate the values of  $H_{c2}(t)$  measured resistively at  $\theta = 0^\circ$  orientation. The dashed line indicates the behavior of  $\rho_f/\rho_n$  expected at  $t = 0$ . The intersection of this line with  $\rho_f/\rho_n = 1$  gives  $H_{c2}(0) = 8.6$  kG.