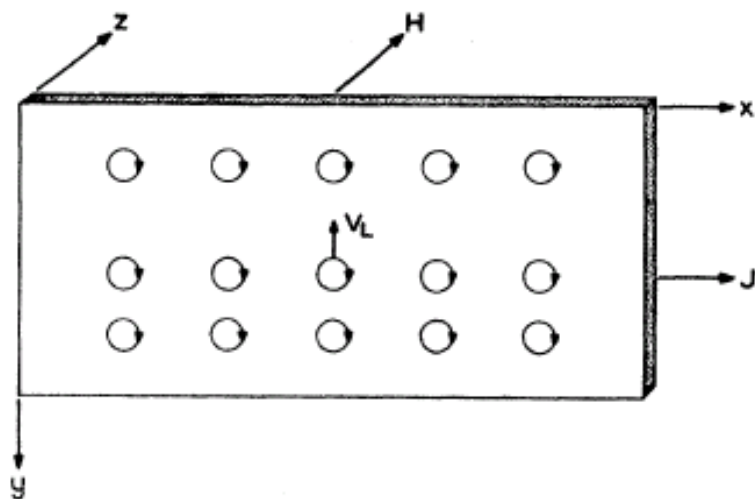


Flux-Flow Resistance in Type-II Superconductors

Y. B. KIM, C. F. HEMPSTEAD, AND A. R. STRNAD

Bell Telephone Laboratories, Murray Hill, New Jersey

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

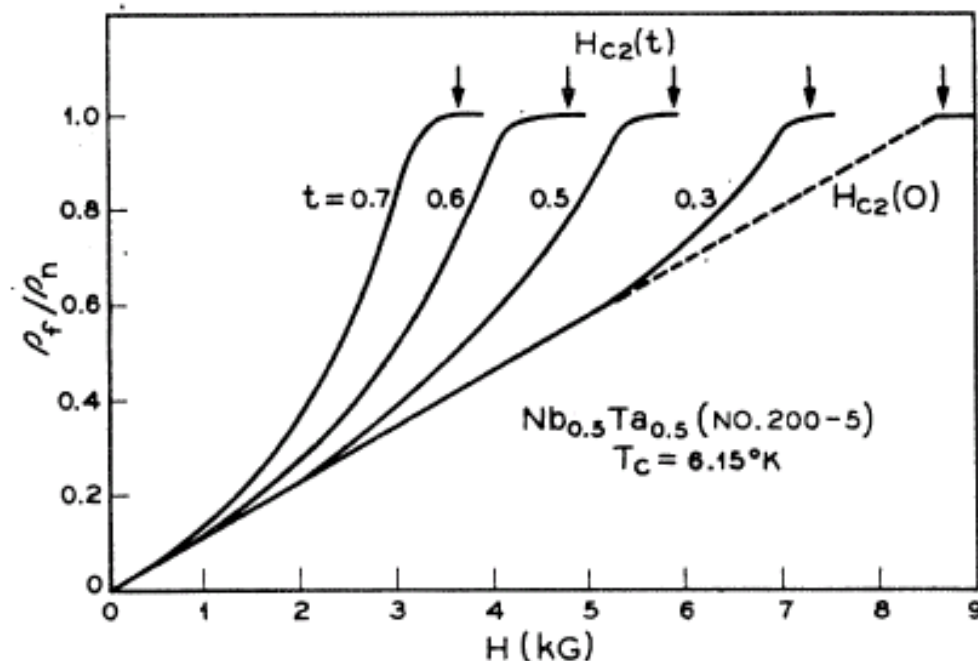


FIG. 4. Flow resistivity versus H and T/T_c . ρ_f/ρ_n of a Nb-Ta specimen is displayed as a function of H at given values of $t = T/T_c$. Vertical arrows indicate the values of $H_{c2}(t)$ measured resistively at $\theta = 0^\circ$ orientation. The dashed line indicates the behavior of ρ_f/ρ_n expected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