



FIG. 9.3 Critical-current density J_c of two commercial low- T_c superconductors as a function of magnetic field B and temperature T . In the region between the origin and the critical J - B - T surface, the material is superconducting; above the surface, the superconductor reverts to its resistive state. (The three-dimensional surface for Nb-Ti is nested inside that for Nb_3Sn .)