Superconductivity

Resistivity ρ (arbitrary units)

Specific heat c_v (arbitrary units)

$c_v \sim e^{-\Delta/kT_c}$

$\rho \sim T^3$

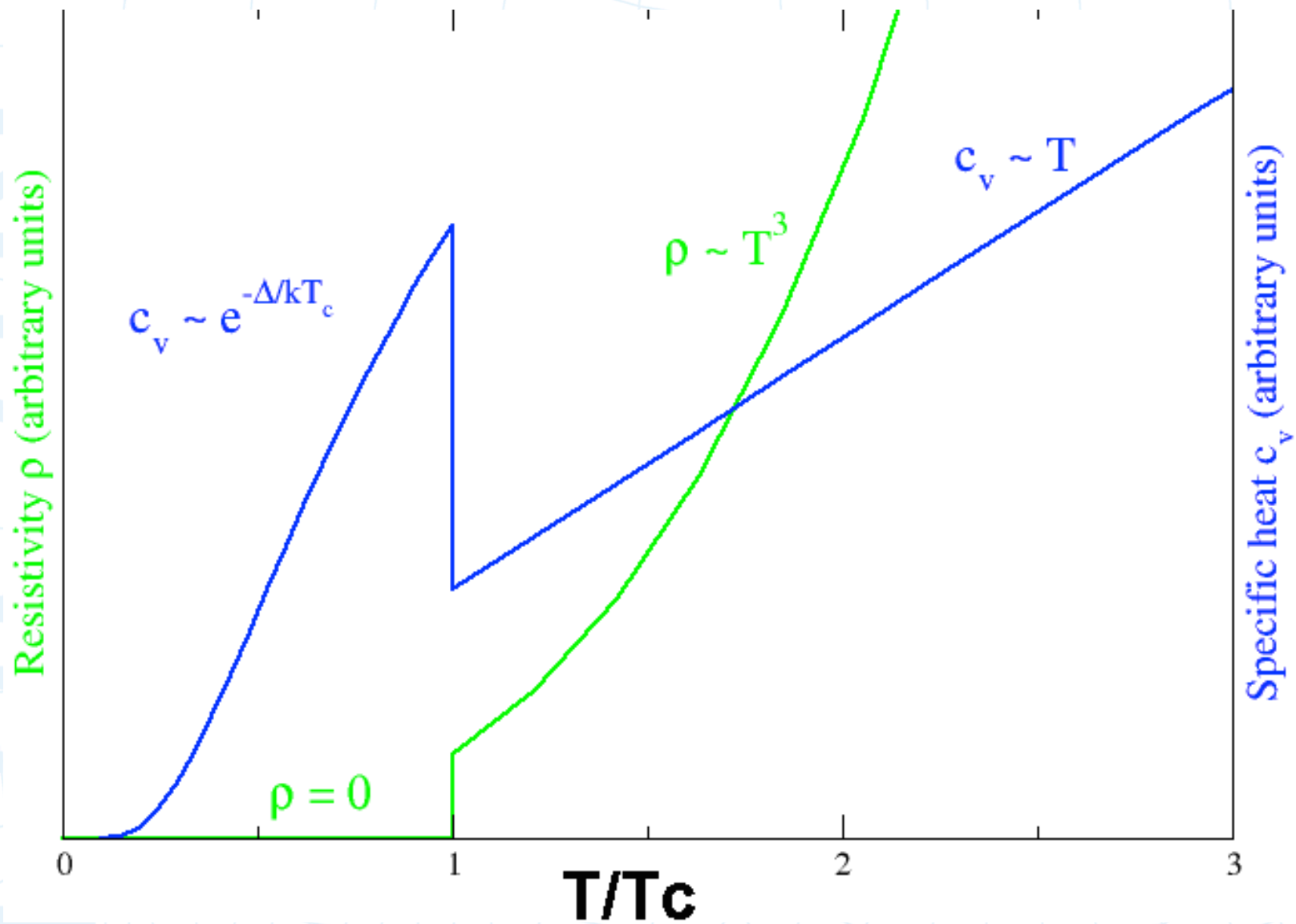$c_v \sim T$

$\rho = 0$
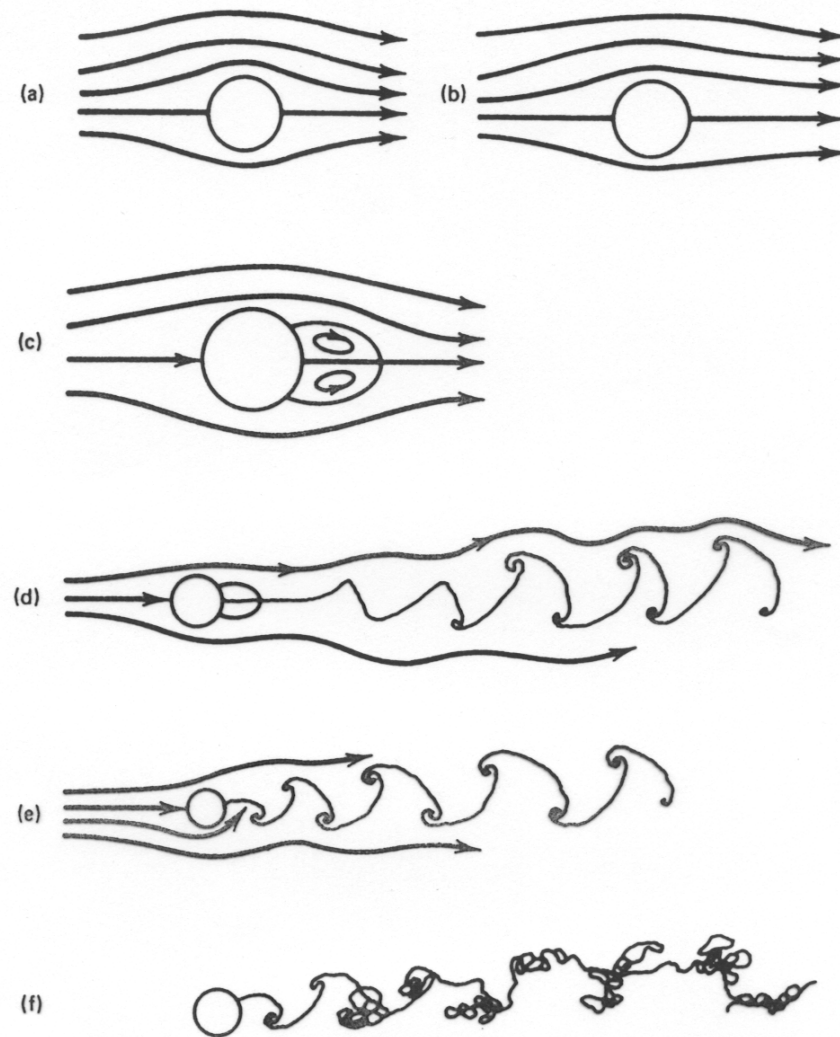
T/Tc

(http://en.wikipedia.org/wiki/Superconductivity)

Flow patterns for different Reynolds numbers

Flows at Moderate Reynolds Numbers

Figure 15-16 Flow regimes for a cylinder: (a) Re = 0, symmetrical; (b) 0 < Re < 4; (c) 4 < Re < 40, attached vortices; (d) 40 < Re < 60–100, Kármán vortex street; (e) 60–100 < Re < 200, alternate shedding; (f) 200 < Re < 400, vortices unstable to spanwise bending;

(from "Incompressible flow", R.L. Panton)

Crash tests