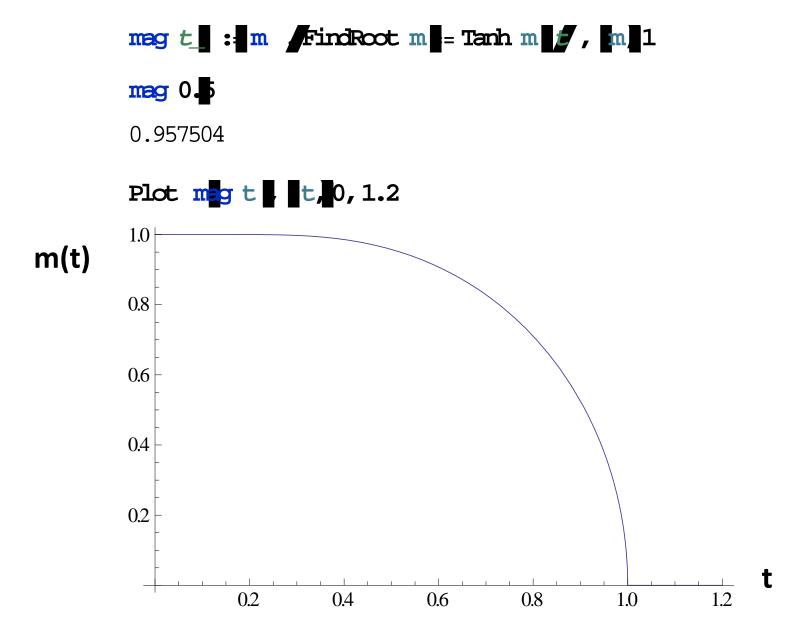
Magnetization versus Temperature in the Mean Field Approximation



The Law of Corresponding States in Ferromagnetism

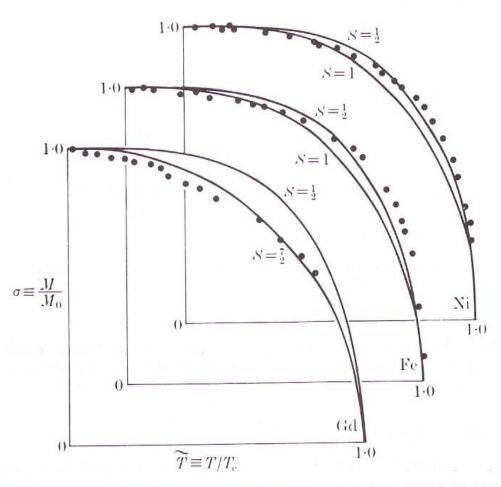


Fig. 6.5. Dependence of reduced magnetization $\sigma \equiv M/M_0 \equiv M(T,H)/M(0,0)$ upon reduced temperature $\tilde{T} \equiv T/T_c$. The fact that there is a slightly different curve for each value of the spin quantum number S means that this law of corresponding states is valid only for a given value of S. The solid circles represent typical experimental data for Gd $(S \simeq \frac{7}{2})$, Fe $(S \simeq 1)$, and Ni $(S \simeq \frac{1}{2})$. After Martin (1967).