



Fig. 2.24 Gibbs free energies for an alloy of concentration X_{B0} solidifying under equilibrium conditions at the solidus temperature $T_{sol}(X_{B0})$ and at high speed when complete solute trapping is occurring, i.e., solidification at $T_0(X_{B0})$ for which $G_l^m(X_{B0}, T_0) = G_s^m(X_{B0}, T_0)$. The crossing points of G_s^m and G_l^m when X_{B0} is varied defines the T_0 -line (right).

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