



**Fig. 12.12** The evolution of the hydrogen composition in the liquid,  $C_{Hl}(g_s)$ , as a function of the volume fraction of solid for an Al-7wt%Si alloy, for two different initial compositions,  $C_{H0} = 0.1$  and  $0.25$  cc<sub>STP</sub>/100 g. The continuous solid curve corresponds to the equilibrium saturation composition  $C_{Hl}^{eq}(T(g_s))$  for  $p_0 = 1$  atm. The arrows indicate the point at which liquid becomes supersaturated. The dashed curve corresponds to a supersaturation of  $0.05$  cc<sub>STP</sub>/100 g over the equilibrium value.

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