



Fig. 2.4 Thermal history of a water sample cooled with a constant heat extraction rate, $\dot{h} < 0$, at atmospheric pressure. As $c_{pl} \approx 2c_{pg} \approx 2c_{ps} = 4.18 \text{ J g}^{-1} \text{ K}^{-1}$, note that the cooling rate of the liquid is half that of the two other phases. Also, since $L_v = 2250 \text{ J g}^{-1}$ and $L_f = 333 \text{ J g}^{-1}$, the time for condensation is much longer than the time for solidification.

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