[tex53] Structural transitions of iron

At constant atmospheric pressure, the stable phase of Fe below 900°C and above 1400°C is α-iron. Between these temperatures, the stable phase is γ-iron. The specific heat of each phase can be taken as constant: $c_\alpha = 0.775\text{J/gK}$, $c_\gamma = 0.690\text{J/gK}$. Find the latent heat (per gram) at each of the two phase transitions.

Solution: