





















$$\lim_{T \to 0} C_p = \lim_{T \to 0} C_V = 0$$
$$\lim_{T \to 0} \left(\frac{\partial S}{\partial p} \right)_T = 0$$
$$\Rightarrow \lim_{T \to 0} \frac{1}{V} \left(\frac{\partial V}{\partial T} \right)_p = \lim_{T \to 0} \beta_p = 0$$