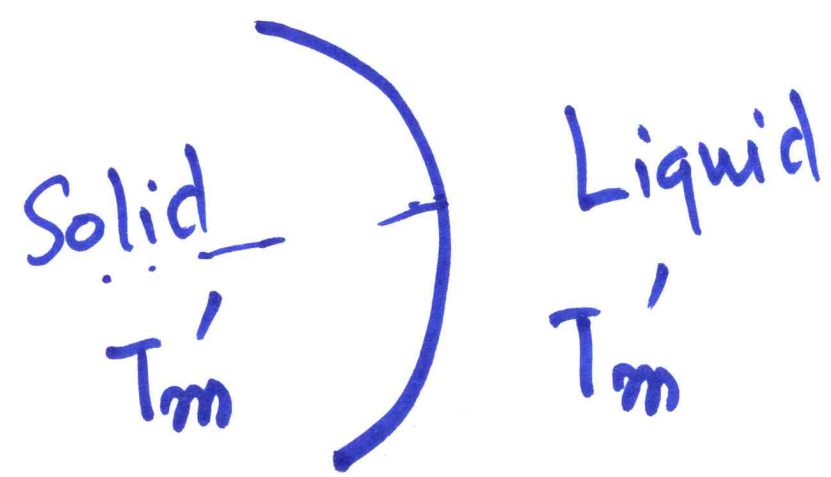
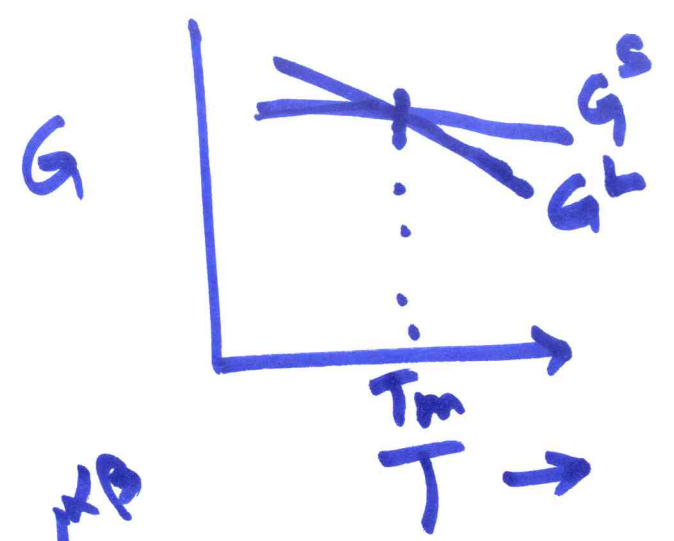
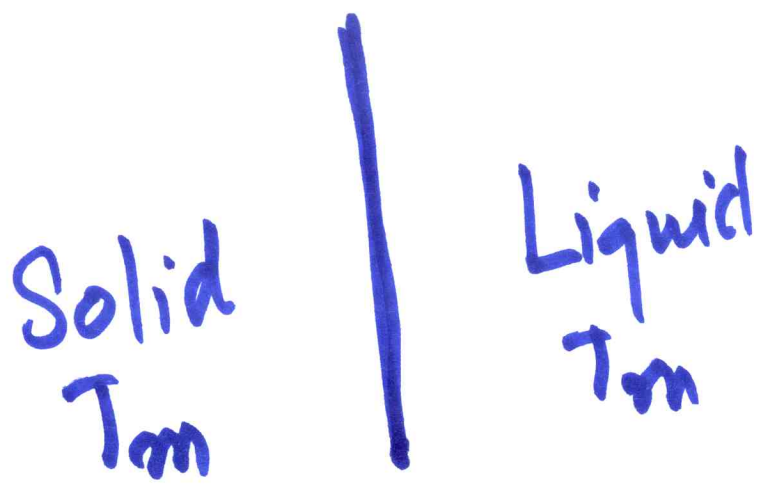


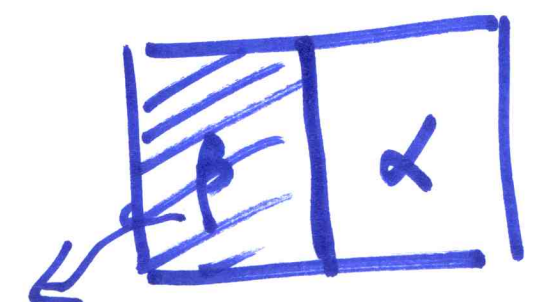
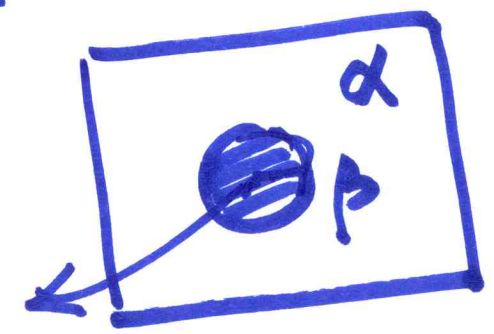
Lead 2019-2020  
Date: 7/8/2016

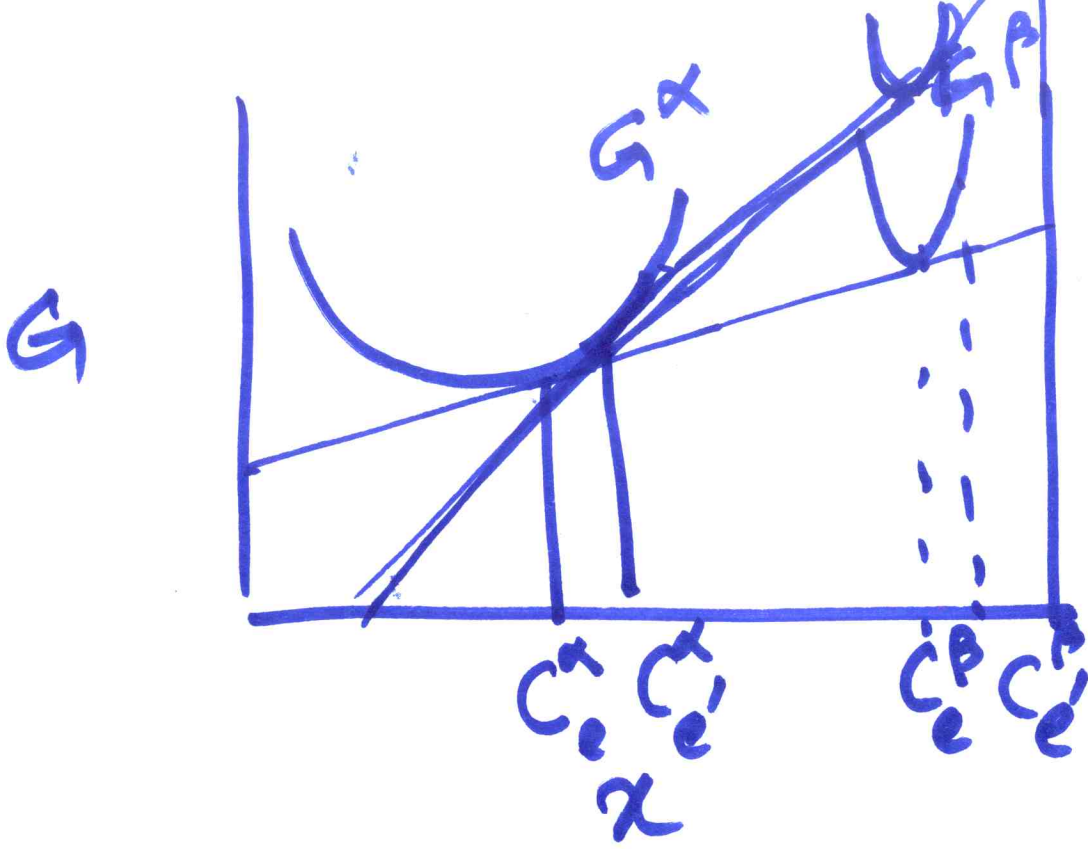


$\Delta T$

$C_p^B$   
 $C_p^A$

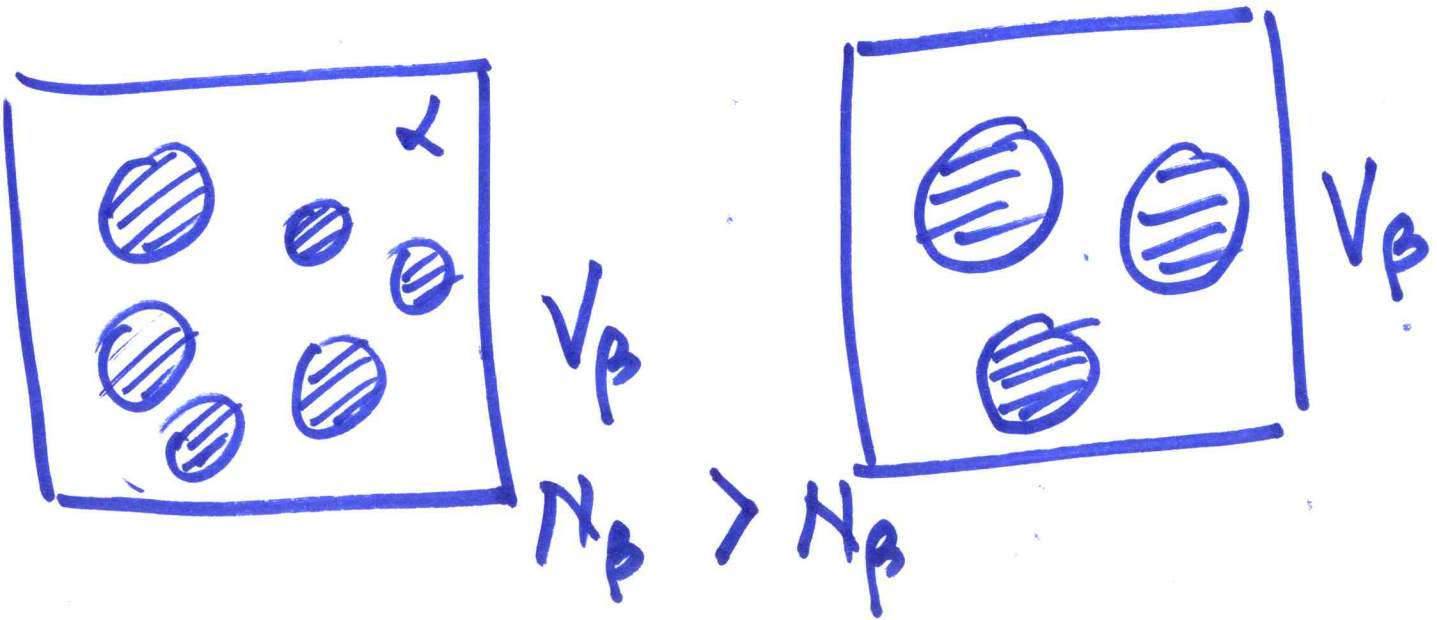
$C_p^B$   
 $C_p^A$



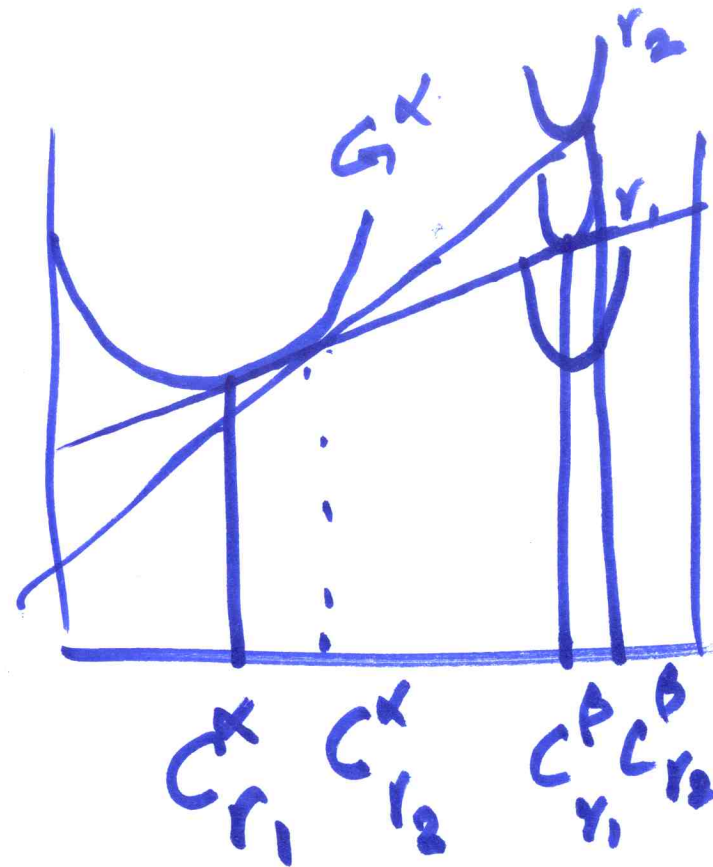
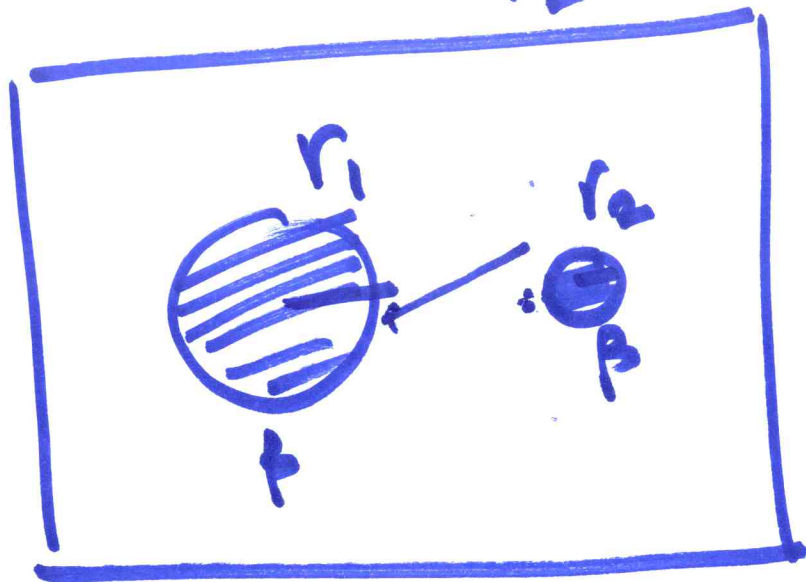


$$\alpha / \beta$$

$$r = \infty$$



$$r_2 < r_1$$

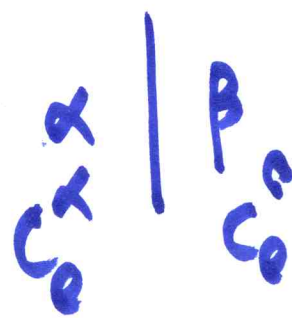


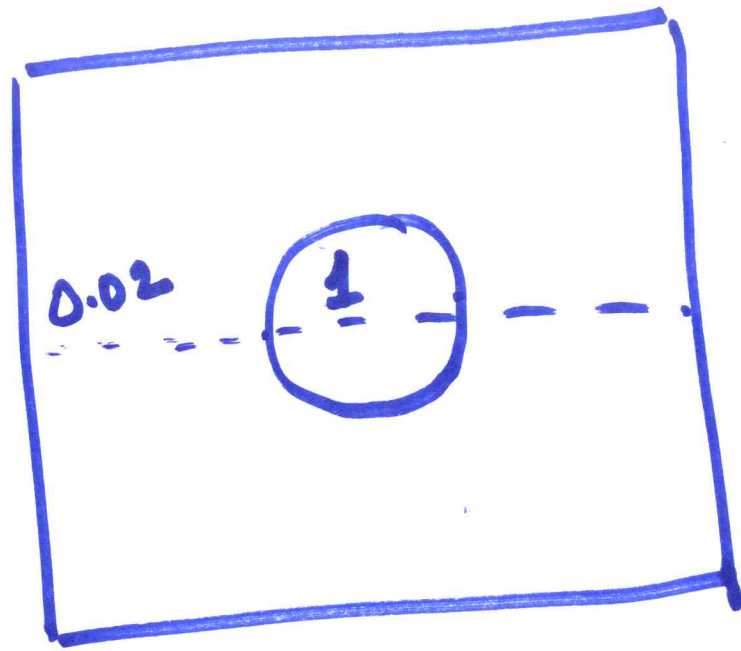
Interfacial energy  $\rightarrow$

$$\Delta C_{\alpha/\beta} = \frac{\gamma}{(C_{\beta}^e - C_{\alpha}^e) \gamma_{\alpha/\beta}}$$

Curvature  $\rightarrow$

$$\frac{\partial^2 f}{\partial C^2} \Big|_{\alpha}$$





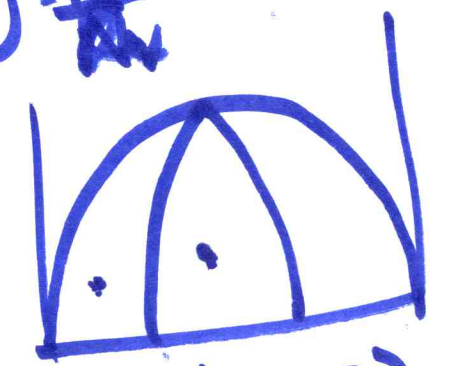
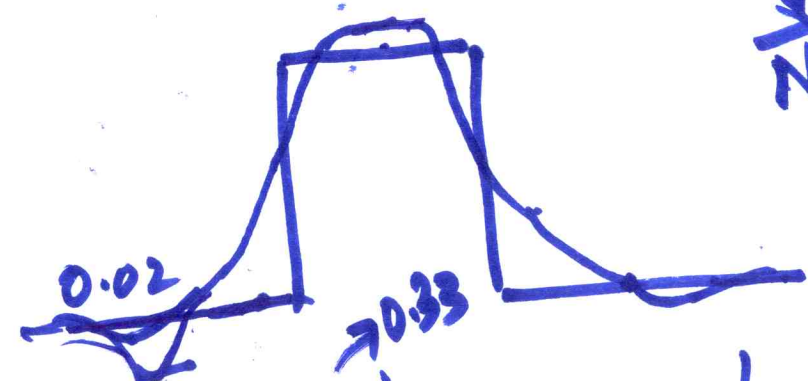
C - order parameter

$$F = f_0(c) + k/c^2$$

$$\downarrow A c^2 (1-c)^2 \quad C_0^B = 1$$

$$C_0^A = 0$$

$$\frac{\gamma}{r} = \int \frac{F}{A} dv$$

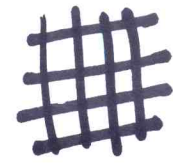
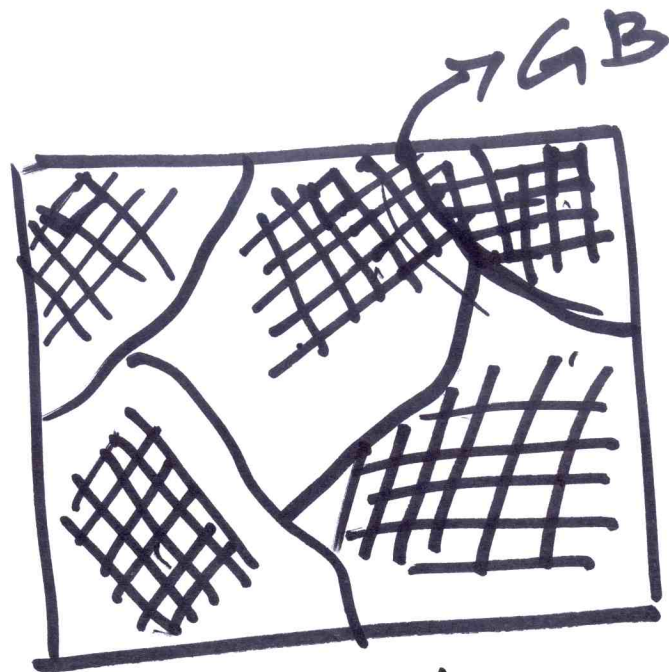


$$\Delta C^A = \frac{\gamma}{r \cdot 2}$$

$$\Delta C^B = \frac{\gamma}{r \cdot 2}$$

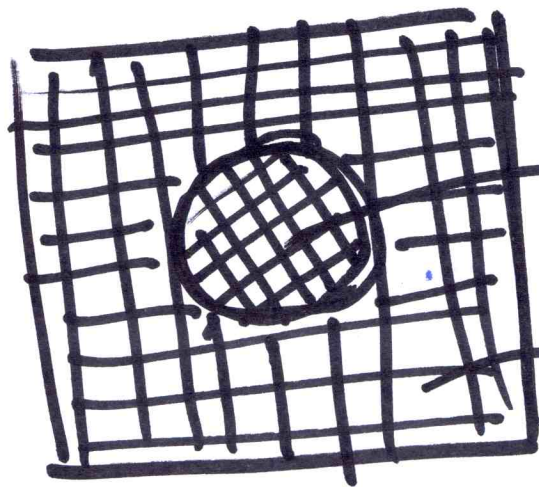
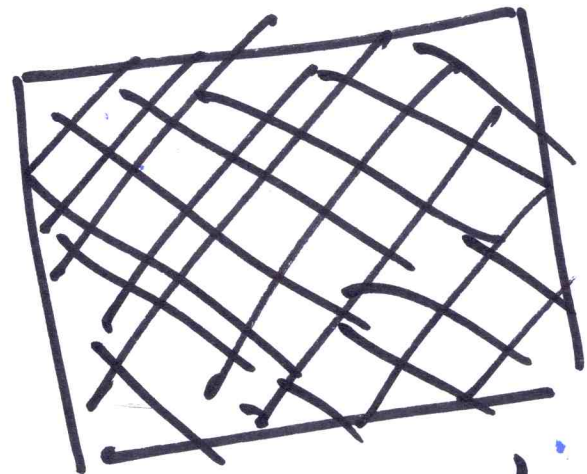
$$f' = 2Ac(1-c)(1-2c)$$

$$f'' = 2A(1-c)(1-2c) - 2Ac(1-2c) - 4Ac(1-c)$$



$$F = f_0(\phi) + k|\nabla\phi|^2$$

$$J = \int F dV$$



$$\phi = 1$$

$$\phi = 0$$

$$\frac{dR}{dt} \propto \frac{1}{R}$$

$$\underline{R^2 - R_0^2 = k\gamma t}$$