

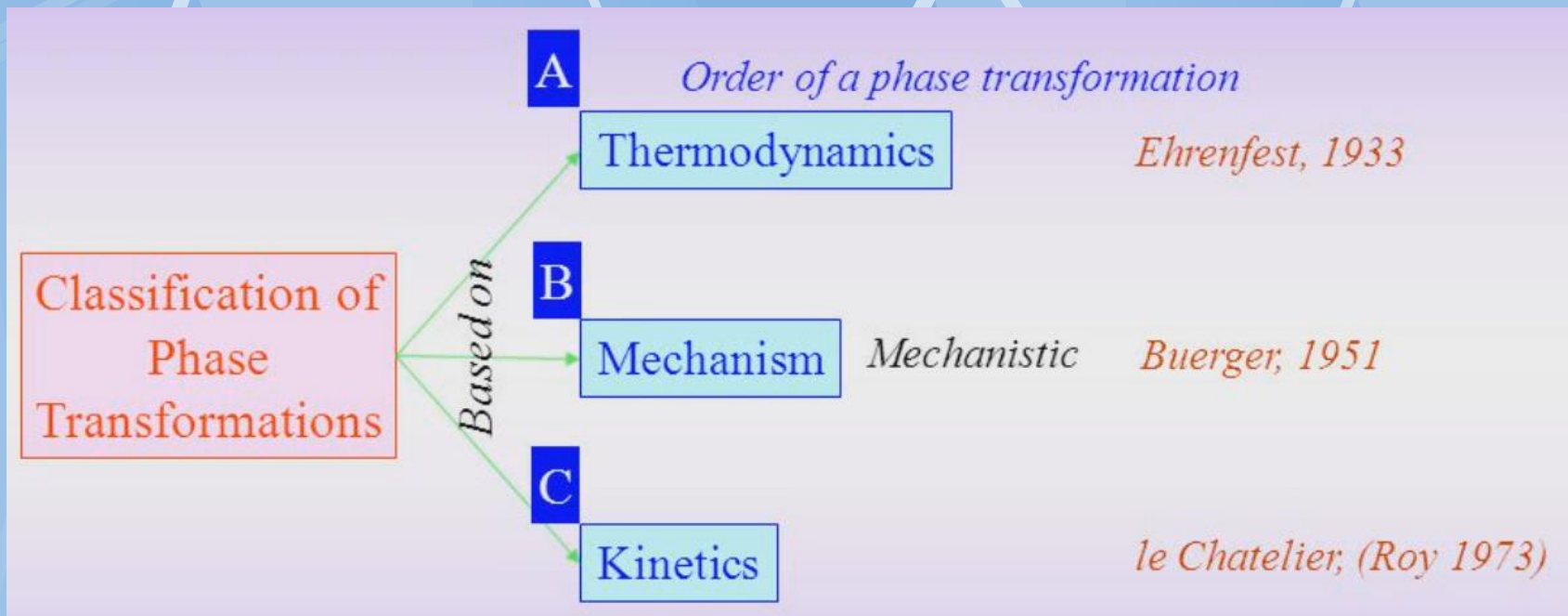
Audio test:



Classification of Phase Transformations

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Classification of Phase Transformations - ppt video online download (slideplayer.com)



A Thermodynamic classification

Ehrenfest, 1933



Order of a phase transformation

$$\Delta \left[\frac{\partial^{n-1} (\text{thermodynamic Variable})}{\partial (\text{External Variable})^{n-1}} \right]$$

The lowest derivative (n) which shows a discontinuity at the transition point

$$\Delta \left[\frac{\partial^{n-1} (G)}{\partial (T)^{n-1}} \right]_{T=T_C} = 0$$

$$\Delta \left[\frac{\partial^n (G)}{\partial (T)^n} \right]_P \neq 0$$

Obsah

- Viz video
Classification+of+Phase+Transformations.mp4

Diskuze

Reálné látky metastabilní stav – skelný přechod

monoklinic

Za 1Atm
a nízkého
tlaku

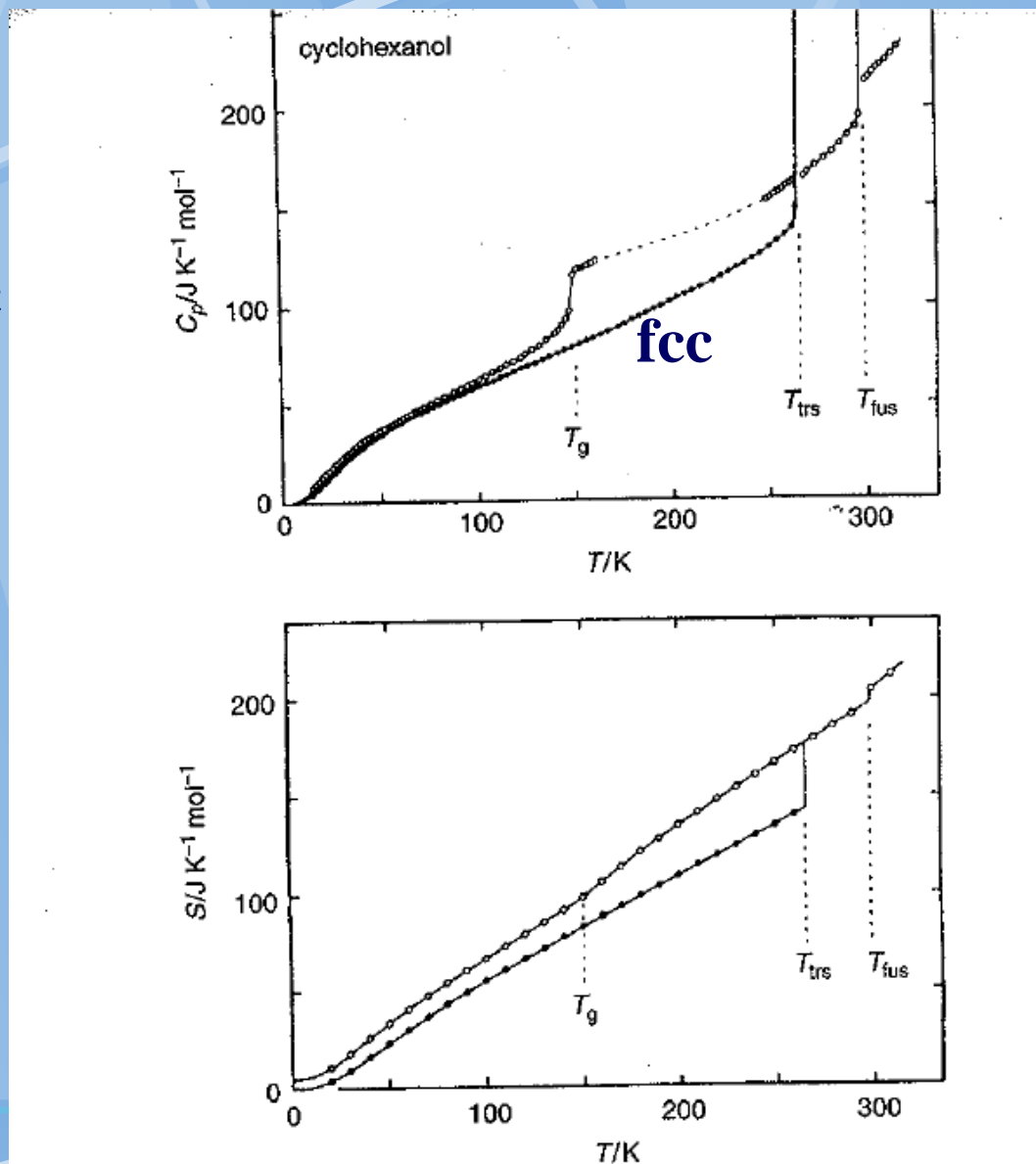


Figure 2 Heat capacity and entropy of cyclohexanol

