



# Chemical Thermodynamics

# [ Phase diagram, P-X ]

- Ideal solution of benzene and toluene.
- Mole fraction of toluene in the vapor phase?

# Phase Diagram, $T_b - X$

- [illegible]

# [ Fractional Distillation ]

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- Doesn't take many steps before the condensate is effectively pure.

# [ Thermodynamics ]

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- Other thermodynamics properties of mixing solutions.
- $\Delta_{\text{mix}}G$ :

# [ Thermodynamics ]

- Other thermodynamics properties of mixing solutions.
- $\Delta_{\text{mix}}S$ :
- $\Delta_{\text{mix}}H$ :