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equilibrium engineering are: the chemical plant or process, the laboratory, the modeling of phase equilibria and the simulator. The harmonization of all these components to obtain a better design or operation is the ultimate goal of phase equilibrium engineering.

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Consequently, the equilibrium condition
a of multiphase mixture is equality of
temperature, pressure, and chemical
potential μ_i of each component i in all the
phases in equilibrium. 3. Description of
phase diagrams 3.1 Pure compound
3.1.1 Description

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