Mindluster Platform

About the course Thermodynamic Properties from Volumetric Data

Thermodynamic Properties course in hindi, in this course we will learn about the fundamental properties of matter and their significance in thermodynamics and engineering applications.

Engineering Category's Courses

Course Lesson(32)

Lesson 1 : **Advanced Thermodynamics Introduction Video**

Lesson 2 : **Lec 1 Introduction of Phase Equilibrium**

Lesson 3 : **Lec 2 Classical Thermodynamics of Phase Equilibria**

Lesson 4 : **Lec 3 Classical Thermodynamics of Phase Equilibria â€“ 2**

Lesson 5 : **Lec 4 Thermodynamic Properties from Volumetric Data**

Lesson 6 : **Lec 5 Fugacity from Volumetric Data 1**

Lesson 7 : **Lec 6 Fugacity from Volumetric Data â€“ 2**

Lesson 8 : **Lec 7 Intermolecular Forces and Non Ideal Behaviour**

Lesson 9 : **Lec 8 Intermolecular Forces Potential Energy Functions**

Lesson 10 : **Lec 9 Molecular Theory of Corresponding States**

Lesson 11 : **Lec 10 Molecular Theory of Corresponding States â€“ 2**

Lesson 12 : **Lec 11 Intermolecular Potential and EoS**

Lesson 13 : **Lec 12 Virial Coefficients from Potential Functions**

Lesson 14 : **Lec 13 Virial Coefficients from Corresponding States Theory**

Lesson 15 : **Lec 14 Fugacities in Gaseous Mixtures**

Lesson 16 : **Lec 15 Fugacities in Gaseous Mixtures 2**

Lesson 17 : **Lec 16 Fugacities in Gaseous Mixtures 3**

Lesson 18 : **Lec 17 Liquid Mixtures and Excess Functions**

Lesson 19 : **Lec 18 Excess Functions and Activity Coefficients**

Lesson 20 : **Lec 19 Activity Coefficients and Thermodynamic Consistency**

Lesson 21 : **Lec 20 Models for Excess Gibbs Energy**

Lesson 22 : **Lec 21 Models for Excess Gibbs Energy 2**

Lesson 23 : **Lec 22 Models for Excess Gibbs Energy 3**

Lesson 24 : **Lec 23 Vapour Liquid Equilibrium**

Lesson 25 : **Lec 24 Vapour Liquid Equilibrium 2**

Lesson 26 : **Lec 25 Vapour Liquid Equilibrium 3**

Lesson 27 : **Lec 26 Liquid Liquid Equilibrium**

Lesson 28 : **Lec 27 Liquid Liquid Equilibrium 2**

Lesson 29 : **Lec 28 Vapour Liquid Liquid Equilibrium**

Lesson 30 : **Lec 29 Vapour Liquid Liquid Equilibrium 2**

Lesson 31 : **Lec 30 Solid Liquid Equilibrium**

Lesson 32 : **Lec 31 Solid Liquid Equilibrium 2**

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