Mindluster Platform

About the course Thermodynamics Fundamentals

Thermodynamics Fundamentals course, in this course Delve into the core principles governing heat, energy, and mechanical systems in this foundational course.

Engineering Category's Courses

Course Lesson(30)

Lesson 1 : **L 01 Basic Terms | Thermodynamics 1 | Mechanical**

Lesson 2 : **L 02 Concept of Heat and Work Process Path and Cycle | Thermodynamics 1 | Mechanical**

Lesson 3 :
L 03 Microscopic Macroscopic Thermodynamic Systems Continuum | Thermodynamics 1 | Mechanical

Lesson 4 : **L 04 Thermodynamic Equilibrium Quasi Static Process | Thermodynamics 1 | Mechanical**

Lesson 5 :
L 05 Boyle s Law Charles s Law Gay Lussac s Law Gas Constant | Thermodynamics 1 | Mechanical

Lesson 6 :
L 06 Combined Gas Law Relation Between Specific Heats Gas Constant| Thermodynamics 1 | Mechanical

Lesson 7 :
L 07 Constant Volume Process and Constant Pressure Process | Thermodynamics 1 | Mechanical

Lesson 8 : **L 08 Concept of Isothermal Process Adiabatic Process | Thermodynamics 1 | Mechanical**

Lesson 9 :
L 09 Polytropic Process Index of Compression or Expansion | Thermodynamics 1 | Mechanical

Lesson 10 :
L 10 Avogadro s Law Vander Waal s Equation Constants a b | Thermodynamics 1 | Mechanical

Lesson 11 :
L 11 Reduced Properties Compressibility Chart Gibbs Dalton Law | Thermodynamics 1 | Mechanical

Lesson 12 :
L 12 Numerical on Avogadro s Law Vander Waal s Equation | Thermodynamics 1 | Mechanical

Lesson 13 :
L 13 I C Engine Engine Parts Functions Two stroke I C Engine | Thermodynamics 1 | Mechanical

Lesson 14 :
L 14 Construction and Working of Two stroke I C Engine | Thermodynamics 1 | Mechanical

Lesson 15 :
L 15 Assumptions of Air Standard Cycles Carnot Gas Power Cycle | Thermodynamics 1 | Mechanical

Lesson 16 :

L 16 Terminology of I C Engine Numerical Four Stroke I C Engine | Thermodynamics 1 | Mechanical

Lesson 17 : L 17 Air Standard Efficiency of Otto Cycle | Thermodynamics 1 | Mechanical

Lesson 18 :
L 18 Numerical on Air Standard Efficiency of Otto Cycle | Thermodynamics 1 | Mechanical

Lesson 19 :
L 19 Numerical on Air Standard Efficiency of Otto Cycle | Thermodynamics 1 | Mechanical

Lesson 20 : L 20 Mean Effective Pressure of Otto Cycle | Thermodynamics 1 | Mechanical

Lesson 21 : L 21 Air Standard Efficiency of Diesel Cycle | Thermodynamics 1 | Mechanical

Lesson 22 :
L 22 Numerical on Air Standard Efficiency of Diesel Cycle | Thermodynamics 1 | Mechanical

Lesson 23 :
L 23 Numerical on Air Standard Efficiency of Diesel Cycle | Thermodynamics 1 | Mechanical

Lesson 24 :
L 24 Dual Cycle Comparison of Otto Diesel Dual cycles | Thermodynamics 1 | Mechanical

Lesson 25 : L 25 Numerical on Dual Cycles | Thermodynamics 1 | Mechanical

Lesson 26 :
L 26 Comparison of SI CI Engines Two Four Stroke Engines | Thermodynamics 1 | Mechanical

Lesson 27 : L 27 Air Standard Efficiency of Brayton Cycle | Thermodynamics 1 | Mechanical

Lesson 28 :
L 28 Comparison of Brayton Otto Cycle Numerical of Brayton Cycle | Thermodynamics 1 | Mechanical

Lesson 29 : L 29 Stoichiometric Air Fuel Ratio Bomb Calorimeter | Thermodynamics 1 | Mechanical

Lesson 30 :
L 30 Junker Gas Calorimeter Minimum Air Requirement | Thermodynamics 1 | Mechanical

Related courses

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