Mindluster Platform

About the course Various Aircraft engines Technology

Various Aircraft engines course in hindi, in this course explore diverse aircraft propulsion systems in this course, delving into their technology, maintenance, and operation.

Engineering Category's Courses

Course Lesson(43)

Lesson 1 : **Aircraft Propulsion Introduction Video**

Lesson 2 : **Lec 1 Overview of Basic Thermodynamics**

Lesson 3 : **Lec 2 Solved Examples for Flow process**

Lesson 4 : **Lec 3 Turbomachines Introduction Classification Types**

Lesson 5 : **Lec 4 Components of Gas Turbine Power Plant Gas Turbine Attachments**

Lesson 6 : **Lec 5 Introduction to Various Aircraft engines Engine Performance parameters**

Lesson 7 : **Lec 6 Air Standard Ideal Brayton Cycle**

Lesson 8 : **Lec 7 Examples for Ideal Brayton Cycle**

Lesson 9 : **Lec 8 Non Ideal Brayton Cycle**

Lesson 10 : **Lec 9 Examples for Non Ideal Brayton Cycle**

Lesson 11 : **Lec 10 Brayton Cycle with Heat Exchanger Re heater**

Lesson 12 : **Lec 11 Brayton Cycle with Intercooler All Attachments**

Lesson 13 : **Lec 12 Examples of Gas Turbine Attachment**

Lesson 14 : **Lec 13 Examples of Gas Turbine Attachment**

Lesson 15 : **Lec 14 Stagnation Conditions Real Brayton Cycle with Stagnation Conditions**

Lesson 16 : **Lec 15 Polytropic Efficiency of Compressor and Turbine**

Lesson 17 : **Lec 16 Examples of Real Cycle**

Lesson 18 : **Lec 17 Nozzle Flow Isentropic Relations Area Velocity Relation Choked Mass Flow Rate**

Lesson 19 : **Lec 18 Aircraft Engine Intake Intake Efficiency**

Lesson 20 : **Lec 19 Propelling Nozzle Nozzle Efficiency**

Lesson 21 : **Lec 20 Turbojet engine Confriguration and Examples**

Lesson 22 : **Lec 21 Turbofan engine Confriguration and Examples**

Lesson 23 : **Lec 22 Ramjet engine Parameters and losses**

Lesson 24 : **Lec 23 Examples of Ramjet Engine**

Lesson 25 : **Lec 24 Thrust Augmentation and Engine performance parameters for Aircrafts**

Lesson 26 : **Lec 25 Introduction to Turbomachinary**

Lesson 27 : **Lec 26 Centrifugal Compressor Velocity diagrams Workdone**

Lesson 28 :
Lec 27 Centrifugal Compressor Thermodynamic analysis Stage efficiency and Degree of reaction

Lesson 29 : **Lec 28 Examples of Centrifugal compressor**

Lesson 30 : **Lec 29 Axial Flow Compressor Velocity diagrams Workdone and Degree of Reaction**

Lesson 31 : **Lec 30 Axial Flow Compressor Free vortex Condition**

Lesson 32 : **Lec 31 Examples of Axial Flow Compressor**

Lesson 33 : **Lec 32 Examples of Axial Flow Compressor**

Lesson 34 : **Lec 33 Examples of Axial Flow Compressor**

Lesson 35 : **Lec 34 Axial Turbine Velocity diagrams Workdone and Degree of Reaction**

Lesson 36 :
Lec 35 Radial Turbine Velocity diagrams h s diagram Stage effieciency and degree of reaction

Lesson 37 : **Lec 36 Examples of Axial Turbine**

Lesson 38 : **Lec 37 Practice examples of Axial Turbine and cetrifugal compressor**

Lesson 39 : **Lec 38 Cascade theory and Blade design**

Lesson 40 : **Lec 39 Cascade variables and Turbine Cascade**

Lesson 41 : **Lec 40 Velocity diagrams of Turbine Cascade Compressor cascade**

Lesson 42 : **Lec 41 Turbine cooling methods**

Lesson 43 : **Lec 42 Practice examples of aircraft engine**

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