

MCL822 STEAM AND GASTURBINES

Course Contents

- Introduction
- Thermodynamics and fluid dynamics of compressible flow through turbines.
- Recapitulation of heat cycles of steam power plants and gas turbine engines.
- Energy conversion in a turbine stage.
- Aerofoil theory of Turbine blades.
 - Definition of the Airfoil Geometry
 - The Airfoil Profile Model
 - Determining the Polynomial Coefficients
 - Leading and Trailing Edge Profiles
 - The Passage Throat Calculation
 - Adjusting the Uncovered Turning
 - Design of a Complete Blade
 - The Optional Defining Points
 - Evaluation of the Airfoil Design
 - A Computerized Airfoil Design System
 -
- Geometrical and gas dynamic characteristics of turbine cascades.
- The Meridional Coordinate System
- The Approximate Normal Equilibrium Model
- Inviscid Adiabatic Flow on A Quasi-Normal
- Linking Quasi-Normals
- The Flow Profiles on a Quasi-Normal
- Turbine Performance Analysis
- Typical Performance Analysis Results
- Diaphragm-Disk Rotor Leakage Flows
- Blade Forces and Rotor Thrust
- Concluding Remarks
 -
- Turbine cascades and losses in turbine
- Blade Row Geometry
- Fluid Deviation Angle
- Overview of the Loss System
- Profile Loss Coefficient
- Secondary Flow Loss Coefficient
- Trailing-Edge Loss Coefficient
- Shock Loss Coefficient
- Supersonic Expansion Loss Coefficient
- Blade Clearance Loss Coefficient
- Lashing Wire Loss Coefficient
- Leakage Bypass Loss
- Partial Admission Loss
- Disk Friction Loss

- Clearance Gap Windage Loss
- Moisture Loss
 -
- Stage efficiency.
- Multi-stage turbines,
- Preliminary Aerodynamic Design Strategy
- Velocity Triangles at the Design Radius
- The Vortex Type and Swirl Velocity Distributions
- Stage Efficiency
- The Optimum Pitch-to-Chord Ratio
- Initializing the Total Thermodynamic Conditions
- The Stage Inlet Flow Profiles
- Sizing the Annulus
- Selecting the Blade Row Geometry
- A Computerized Preliminary Design System
- Selection of the Dimensionless Performance Parameters
- Selection of the Swirl Velocity Vortex Type
- Concluding Remarks
-
- Partial admission turbines,
- Turbines for nuclear power plants.
- Steam turbines for co-generation,
- Supercritical and marine applications.
- Radial turbines,
- Steam and gas turbine components.
- Governing of steam and gas turbines.
- Strength and material aspects.
- Steam and gas turbines of major manufacturers.
- Micro Turbines
- Future trends.

Books/References

- Steam Turbines for Modern Fossil-Fuel Power Plants – A.S. Leyzerovich.
- Gas Turbines, A Handbook of Air, Land and Sea Applications – Claire Soares.
- Gas Turbine Performances—P.P. Walsh & P. Fletcher
- Turbine Aerodynamics: Axial-Flow and Radial-Flow Turbine Design and Analysis, Author(s)/Editor(s): [Ronald H. Aungier](#): 2006 : DOI:10.1115/1.802418
- Micro Turbines -- Claire Soares

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