

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Agriculture - NOC:Impact of Flow of Fluids in Food Processing and Preservation

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction to Food Process Engineering
- Lecture 2 - Preservation of Food
- Lecture 3 - Food Processing Operations
- Lecture 4 - Preservation By Removal of Water
- Lecture 5 - Introduction to Equation of Continuity
- Lecture 6 - Equation of Continuity (Continued...)
- Lecture 7 - Equation of Continuity in Different Forms
- Lecture 8 - Derivation of Equation of Continuity
- Lecture 9 - Equation of Continuity in Cylindrical and Spherical Coordinates
- Lecture 10 - Equation of Motion in Cartesian Coordinate
- Lecture 11 - Equation of Motion (Continued...)
- Lecture 12 - Navier Stokes Equations
- Lecture 13 - Navier Stokes Equations (Continued...)
- Lecture 14 - Problems and Solutions with the help of Navier Stokes Equation
- Lecture 15 - Problems and Solutions with the help of Navier Stokes Equation
- Lecture 16 - Problems and Solutions with the help of Navier Stokes Equation
- Lecture 17 - Flow Through Pipes
- Lecture 18 - Hagen Poiseuille Equation
- Lecture 19 - Navier Stokes Equation Using Boundary Conditions
- Lecture 20 - Friction Factor
- Lecture 21 - Laminar Flow Through Parallel Plates
- Lecture 22 - Vertical Flow Through Parallel Plates
- Lecture 23 - Flow of Fluid Through inclined Or Horizontal Solid Surface
- Lecture 24 - Reynolds Number of Falling Film
- Lecture 25 - Flow of Fluid Through Annular Space
- Lecture 26 - Measurement of Viscosity with the help of Drop of A Ball
- Lecture 27 - Flow Behaviour Throgh Narrow Slit
- Lecture 28 - Problems and Solutions of Moving Surface Flow
- Lecture 29 - Problems and Solutions of Moving Surface Flow (Continued...)

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- Lecture 30 - Problems and Solutions On Poiseuille Flow and Couette Flow
- Lecture 31 - Problems and Solutions On Spinning
- Lecture 32 - Compressible Gas Flow
- Lecture 33 - Pressure Drop Relation For Compressible Gas
- Lecture 34 - Problem and Its Solutions of Pressure Drop For Compressible Gas Flow
- Lecture 35 - Use of Trial and Error Method to Find Pressure Drop
- Lecture 36 - Flow Through Packed bed
- Lecture 37 - Hydraulic Radius
- Lecture 38 - Problems and Solutions of Packed Bed
- Lecture 39 - Pressure Drop in Pipes For Compressible Liquids
- Lecture 40 - Fluidization
- Lecture 41 - Problems and Solution of Fluidization
- Lecture 42 - Flow Through Nozzles
- Lecture 43 - Bernoulli's Equation Used in Nozzle Flow
- Lecture 44 - Discharge Rate Through Nozzles
- Lecture 45 - Adiabatic Flow Through Refrigeration Unit
- Lecture 46 - Problems and Solutions of Nozzle Flow
- Lecture 47 - Sonic Velocity
- Lecture 48 - Diatomic Gas With Sonic Velocity
- Lecture 49 - Variable Flow
- Lecture 50 - Pneumatic Conveying
- Lecture 51 - Non-Newtonian Fluid Flow
- Lecture 52 - Non-Newtonian Fluid Flow (Continued...)
- Lecture 53 - Non-Newtonian Fluid Flow (Continued...)
- Lecture 54 - Non-Newtonian Fluid Flow (Continued...)
- Lecture 55 - Non-Newtonian Fluid Flow (Continued...)
- Lecture 56 - Flow Through Filter Medium
- Lecture 57 - Flow Through Filter Medium (Continued...)
- Lecture 58 - Flow Through Filter Medium (Continued...)
- Lecture 59 - Flow Through Filter Medium (Continued...)
- Lecture 60 - Flow Through Filter Medium (Continued...)