Online Resources: PFE 501

**Transport Phenomena**

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<https://nptel.ac.in/courses/103105128/>

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| 30 | Lecture 30 : Heat Transfer Basics |
| 31 | Lecture 31 : Heat Transfer Basics (Contd.) |
| 32 | Lecture 32 : 1-D Heat Conduction - Temperature Distributions |
| 33 | Lecture 33 : 1-D Heat Conduction - Shell Heat Balance |
| 34 | Lecture 34 : Shell Heat Balance |
| 35 | Lecture 35 : Viscous Dissipation |
| 36 | Lecture 36 : Transient Conduction |
| 37 | Lecture 37 : Transient Conduction (Contd.) |
| 38 | Lecture 38 : Forced Convection |
| 39 | Lecture 39 : Energy Equation |
| 40 | Lecture 40 : Energy Equation (Contd.) |
| 41 | Lecture 41 : Free Convection |
| 42 | Lecture 42 : Thermal Boundary Layer |
| 43 | Lecture 43 : Mass Transfer |
| 44 | Lecture 44 : Mass Transfer (Contd.) |
| 45 | Lecture 45 : Mass Transfer (Contd.) |
| 46 | Lecture 46 : Mass Transfer (Contd.) |
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| 48 | Lecture 48 : Mass Transfer (Contd.) |
| 49 | Lecture 49 : Mass Transfer (Contd.) |
| 50 | Lecture 50 : Mass Transfer (Contd.) |
| 51 | Lecture 51: Convection Transfer Equations |
| 52 | Lecture 52: Boundary Layer Similarity |
| 53 | Lecture 53: Boundary Layer - Analogy |