

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

NPTEL Video Course - Chemical Engineering - NOC:Material and Energy Balance Computations

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction to Engineering Calculations
Lecture 2 - Introduction to Engineering Calculations (Continued...)
Lecture 3 - Introduction to Engineering Calculations (Continued...)
Lecture 4 - Introduction to Processes and Process Variables
Lecture 5 - Introduction to Processes and Process Variables (Continued...)
Lecture 6 - Fundamentals of Material Balance
Lecture 7 - Fundamentals of Material Balance (Continued...)
Lecture 8 - Fundamentals of Material Balance (Continued...)
Lecture 9 - Fundamentals of Material Balance (Continued...)
Lecture 10 - Material Balance of Single-unit
Lecture 11 - Material Balance of Multiple Units
Lecture 12 - Material Balance of Multiple Units (Continued...)
Lecture 13 - Material Balance of Multiple Units (Continued...)
Lecture 14 - Material Balance of Multiple Units (Continued...)
Lecture 15 - Material Balance of Multiple Units - Recycle
Lecture 16 - Material Balance of Recycle and Bypass Units
Lecture 17 - Material Balance of Recycle and Bypass Units (Continued...)
Lecture 18 - Introduction
Lecture 19 - Introduction (Continued...)
Lecture 20 - Introduction (Continued...)
Lecture 21 - Multiple reactions and reactive process balance
Lecture 22 - Reactive process balance
Lecture 23 - Multiple reactions and reactive process balance
Lecture 24 - Reactive process balance (Continued...)
Lecture 25 - Reactive process balance (Continued...)
Lecture 26 - Combustion reactions balance
Lecture 27 - Combustion reactions balance (Continued...)
Lecture 28 - Single-phase systems
Lecture 29 - Single phase systems (Continued...)

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- Lecture 30 - Single-phase problems and concept of multi-phase system
- Lecture 31 - Introduction to Energy Balance - I
- Lecture 32 - Introduction to Energy Balance - II
- Lecture 33 - Introduction to Energy Balance - III
- Lecture 34 - Introduction to Energy Balance - IV
- Lecture 35 - Introduction to Energy Balance - V
- Lecture 36 - Introduction to Energy Balance - VI
- Lecture 37 - Introduction to Energy Balance - VII
- Lecture 38 - Introduction to Energy Balance - VIII
- Lecture 39 - Introduction to Energy Balance - IX
- Lecture 40 - Introduction to Energy Balance - X
- Lecture 41 - Introduction to Energy Balance - XI
- Lecture 42 - Estimation of Physical Properties - I
- Lecture 43 - Estimation of Physical Properties - II
- Lecture 44 - Estimation of Physical Properties - III
- Lecture 45 - Tutorial - I
- Lecture 46 - Tutorial - II
- Lecture 47 - Tutorial - III
- Lecture 48 - Tutorial - IV
- Lecture 49 - Estimation of Physical Parameters - IV
- Lecture 50 - Estimation of Physical Parameters - V
- Lecture 51 - Energy Balance with Chemical Reactions - I
- Lecture 52 - Energy Balance with Chemical Reactions - II
- Lecture 53 - Energy Balance with Chemical Reactions - III
- Lecture 54 - Energy Balance with Chemical Reactions - IV
- Lecture 55 - Energy Balance with Chemical Reactions - V
- Lecture 56 - Energy Balance with Chemical Reactions - VI
- Lecture 57 - Humidity and Psychrometric Chart - I
- Lecture 58 - Humidity and Psychrometric Chart - II
- Lecture 59 - Humidity and Psychrometric Chart - III
- Lecture 60 - Humidity and Psychrometric Chart - IV