Mindluster Platform

About the course Hydrocarbon Treatment Techniques

Hydrocarbon Treatment course, in this course Explore essential techniques to purify and refine hydrocarbons for various industrial applications.

Engineering Category's Courses

Course Lesson(36)

Lesson 1 : **Aspen Plus simulation software a basic course for beginners**

Lesson 2 :
Lec 1 Significance of software with example Simulation on pen paper vs simulation on Aspen Plus

Lesson 3 : **Lec 2 Understanding Resources and My Exchange Start using Aspen Plus**

Lesson 4 : **Lec 3 Overview of setting up of property environment**

Lesson 5 : **Lec 4 Using Model Pallete Mixers Splitters Separators**

Lesson 6 : **Lec 5 Using Model Pallete Exchangers**

Lesson 7 : **Lec 6 Using Model Pallete Columns**

Lesson 8 : **Lec 7 Using Model Palette Reactors**

Lesson 9 : **Lec 8 Using Model Palette Pressure Changers**

Lesson 10 : **Lec 9 Example Hydrocarbon Treatment Part 1**

Lesson 11 : **Lec 10 Example Hydrocarbon Treatment Part 2**

Lesson 12 : **Lec 11 Setup Components**

Lesson 13 : **Lec 12 Property Methods**

Lesson 14 : **Lec 13 Property Methods and Propeety Sets with example**

Lesson 15 : **Lec 14 Analysis tools Pure Components and Binary mixtures**

Lesson 16 : **Lec 15 Analysis tools Ternary mixtures Data and Regression Part 1**

Lesson 17 : **Lec 16 Data and Regression Part 2 Property Estimation**

Lesson 18 : **Lec 17 Practice problems on pure components**

Lesson 19 : **Lec 18 Practice problems on binary mixtures**

Lesson 20 : **Lec 19 Miscellaneous practice problems and case studies**

Lesson 21 : **Lec 20 Model Analysis Tools**

Lesson 22 : **Lec 21 Separation of Hydrocarbon Mixture**

Lesson 23 : **Lec 22 Synthesis of Acetaldehyde from Ethanol**

Lesson 24 : **Lec 23 BTX Separation through Distillation**

Lesson 25 : **Lec 24 Synthesis of Methanol from Syngas**

Lesson 26 : **Lec 25 Synthesis of Dimethyl Ether from Carbon Dioxide and Hydrogen**

Lesson 27 : **Lec 26 Synthesis of Ammonia in Cryogenic Process**

Lesson 28 : **Lec 27 Production of Cumene**

Lesson 29 : **Lec 28 Design Rating and Simulation of Heat Exchanger**

Lesson 30 : **Lec 29 Absorption and Distillation Part 1**

Lesson 31 : **Lec 30 Absorption and Distillation Part 2**

Lesson 32 : **Lec 31 Hydrodealkylation of Toluene**

Lesson 33 : **Lec 32 Isobutene Production Plant**

Lesson 34 : **Lec 33 Nitric Oxide Production Plant**

Lesson 35 : **Lec 34 Plant Economy and Utilities**

Lesson 36 : **Lec 35 Plant Dynamics and Control**

Related courses

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