

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

NPTEL Video Course - Chemical Engineering - NOC:Multiphase Microfluidics

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Co-ordinating Institute - IIT - Guwahati

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

Lecture 1 - An Introduction
Lecture 2 - Interface and Surface Tension
Lecture 3 - Flow Regimes 1
Lecture 4 - Flow Regimes 2
Lecture 5 - Taylor Flow 1
Lecture 6 - Taylor Flow 2
Lecture 7 - Computational Techniques
Lecture 8 - Bubble and Droplet Generation
Lecture 9 - Interface and Surface tension 2
Lecture 10 - Void Fraction and Pressure Drop
Lecture 11 - Liquid-Liquid Flow
Lecture 12 - Ideal annular Flow
Lecture 13 - Taylor Flow
Lecture 14 - Taylor Flow
Lecture 15 - Taylor Flow
Lecture 16 - Taylor Flow
Lecture 17 - Flow boiling in microchannels
Lecture 18 - Flow boiling in microchannels (Continued...)
Lecture 19 - Flow Measurement Techniques
Lecture 20 - Particle image Velocimetry
Lecture 21 - Inertial Microfluidics
Lecture 22 - Microfluidic applications
Lecture 23 - Microfluidic applications (Continued...)
Lecture 24 - Concluding Remarks

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