NPTEL Video Course - Mechanical Engineering - NOC:Interfacial Fluid Mechanics

Subject Co-ordinator - Prof. Harish N Dixit

Co-ordinating Institute - IIT - Madras

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

Lecture 30 - Uniform flow down an incline
Lecture 31 - Shape of a falling jet
Lecture 32 - A quick tour of stability analysis
Lecture 33 - Rayleigh-Plateau instability - Part 1
Lecture 34 - Rayleigh-Plateau instability - Part 2
Lecture 35 - Rayleigh-Plateau instability - Part 3
Lecture 36 - Rupture of thin films - Part 1
Lecture 37 - Rupture of thin films - Part 2
Lecture 38 - Rupture of thin films - Effect of van der Waals force
Lecture 39 - Rupture of thin films - Part 3
Lecture 40 - Rupture of thin films - Part 4
Lecture 41 - Benard-Marangoni Instability - Part 1
Lecture 42 - Benard-Marangoni Instability - Part 2
Lecture 43 - Benard-Marangoni Instability - Part 3
Lecture 44 - Benard-Marangoni Instability - Part 4
Lecture 45 - Kelvin helmholtz instability - Part 1
Lecture 46 - Kelvin helmholtz instability - Part 2
Lecture 47 - Kelvin helmholtz instability - Part 3
Lecture 48 - Kelvin helmholtz instability - Part 4
Lecture 49 - Contact angle hysterisis
Lecture 50 - Thin film down an incline-a contact line problem - Part 1
Lecture 51 - Thin film down an incline-a contact line problem - Part 2
Lecture 52 - Local flow near a moving contact line
Lecture 53 - Modelling of moving contact line