NPTEL Video Course - Aerospace Engineering - NOC:Fundamentals Of Combustion-I

Subject Co-ordinator - Dr. D.P. Mishra

Co-ordinating Institute - IIT - Kanpur

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

Lecture 30 - Transport equations and molecular model for transport process
Lecture 31 - Mean free path length
Lecture 32 - Lennard-Jones potential model for diffusivity
Lecture 33 - Lennard-Jones potential model (Continued...)
Lecture 34 - Mass conservation law
Lecture 35 - Momentum conservation equation
Lecture 36 - Introduction to mass transfer
Lecture 37 - Species transport equation
Lecture 38 - Energy conservation equation
Lecture 39 - Conserved scalar approach for one dimensional flows
Lecture 40 - Introduction to turbulent combustion