High speed reacting flow laboratory, Institute of Fluid Science



Direct photo Simulation

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Course of Aerospace Engineering



Contact

Website

YouTube

movie

Combustion is a complex phenomenon composed of multi-dimensional dynamics of temperature, concentration, velocity, and chemical reactions. And also advanced combustion technologies are essential for solving the environmental and energy problems. Our laboratory focuses on **investigation of combustion phenomena**, **development of diagnostics and analysis method**. Projects on turbulent combustion at high pressure and high temperature, ammonia fundamental combustion, ammonia spray combustion, laser diagnostics for rocket engine, and controlling of supersonic combustion are in progress.

