Heat Transfer Control Lab.

伝熱制御研究分野



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Web Lab-tour Available. Make Reservation!

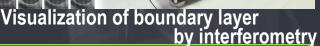
Observation and Control of Micr/Nano Heat and Mass Transfer by Optics

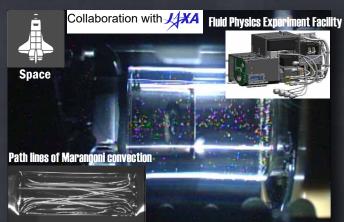
This laboratory has been conducting research on the fundamentals of heat and mass transfer controls using an advanced optical system, and applies them to the low emission energy system and heat transfer enhancement.



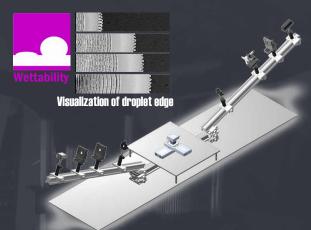
Investigation of protein mass transfer







Heat & mass transfer under extreme conditions



Nano-film thickness measurement by ellipsometry

The following research topics are also in progress



Measurement for bio thermal properties



Contaminated soil remediation with supercritical fluid



Development of super insulation material



Energy conversion from natulal energy to electricity



γγγ Establishment of efficient CO₂ separation technique

