Keiji SAKAI LAB.

[Rheology - Macro, Micro and Nanoscale -]

Department of Fundamental Engineering

http://sakailab.iis.u-tokyo.ac.jp/

Surface and Interface Physics of Liquids

Department of Applied Physics

Rheology - Macro, Micro and Nanoscale -

We inform of the new and fantastic methods and techniques for investigating the characteristics of liquids with Light, Electric or Magnetic field.

◆ＥＭＳ viscometer ～ Now commercially available!! ～
This viscometer has several amazing features!
Non-contact, Small amount of the sample, Quick operation, *etc.*

◆Ink-Jet emission technique with glass capillary
Glass capillary is an all-around nozzle!
We can observe micro-droplets with high resolution in time and space.

◆Liquid surface observation with light or electric field
We can make a micro-deformation on liquid surface without touch!
The surface motion informs of the surface properties.

◆Light scattering observation of liquid surfaces
Observation of molecular interactions with light!

◆Revolving Drop surface tensiometer ～ Now demonstrating!! ～
Sample liquid drop is rotated in this tensiometer, and
the drop deformation indicates the surface tension with high accuracy!