

K. SAKAI LAB.

[The world of liquids in macro-nano region.]

Department of Fundamental Engineering

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Surface and Interface Physics of Liquids

Department
of Applied
Physics

The world of liquids in macro-nano region.

We introduce **new** and **fantastic techniques** for investigating the characteristics of liquids with Optical, Electric or Magnetic field.

EMS viscometer series ~ **Now commercially available!!** ~

These viscometers have 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 optical 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!

ReD surface tensiometer ~ **Now demonstrating!!** ~

Sample liquid drop is rotated in this tensiometer, and

the drop deformation indicates the surface tension with high accuracy!

