

Austin Moore
Laser Viscometer

Can the viscosity of liquids be measured with a laser? The viscosity can not only be measured with a laser, but measured accurately. A laser was shined through water containing varying amounts of sugar; the same test was also performed using flour. The laser power decreased in relatively consistent increments with the addition of the sugar as well as flour. The laser power decreased drastically with each added amount of flour, showing that the flour increased the opacity, not so much the viscosity of the liquid far more than the sugar. Showing that a laser can accurately measure the viscosity of liquids given the right equation to convert the measurements.