

Calculating the Viscosity of Various Fluids Using a Pendulum

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Abstract:

Viscosity is an important property in the study of fluid mechanics especially in the fields of engineering, medicine and chemistry, where it comes to product design, when it comes to the distribution of chemicals into a fluid, how medicine will diffuse throughout the body when administered through an IV. This project aims to calculate the viscosity of various fluids by exploiting the properties of a damped pendulum.