

# Lab: Penny on a Turntable

# AP Physics

## Background

The *coefficient of friction* between two surfaces is a way of describing the “stickiness” between the two surfaces. It is described using the formula  $\mu = \frac{F_{friction}}{F_{Normal}}$ , where  $\mu$  is the coefficient of friction.

## Objective

Use a rotating turntable and a penny to find the coefficient of static friction between the penny and the turntable.

## Equipment

(To be determined by you)

## Procedure

(To be determined by you)

## Questions