

Physics 152

Prelab 10

Consider a 0.8 ± 0.05 kg cart on a 10 ± 2 degree incline in which there is friction. The cart travels 1.7 meters down the incline and has a speed of 0.85 ± 0.02 m/s at the bottom of the incline.

How much work is done by friction?

What is the coefficient of friction?