Acceleration of Gravity (Falling) Freefall (5)

PHYS 211L – H02 (Tuesday 10:05am – 12:05 pm)

Abstract

We measured the value of acceleration due to gravity by dropping two metal spheres with different masses from various known heights and measured their fall times. We then used this information to calculate the acceleration of gravity. Within uncertainties, our calculations remained constant. We determined that acceleration due to gravity is 10  0.2 m/s/s.