

Prelab 12

Construct an Interactive Physics Simulation of a 100 g Hot Wheels™ car with a 0.49N force exerted on it by an external agent. After traveling 2 m, the car encounters a 50 cm long spring of 10 N/m force constant. Make a position – time graph for the motion. Describe the motion during the cars interaction with the spring. Hint: when using interactive physics it would be helpful to put an object with a small mass on the end of the spring.