

Due on Friday, Apr 23

1. The 2.00 kg block shown below is attached to a spring, whose constant of the spring is 100. N/m. Assume the block is on a frictionless plane. At a moment, it is observed that the spring is STRETCHED by 0.100m, as shown below, and the velocity of the block is 2.00 m/s to the right at that moment. (a) What is the maximum distance the block can move rightward away from CURRENT position? (b) What is the maximum distance the block can move leftward away from CURRENT position, after it is being pulled back? (c) what is the time it take to travel from the left extreme to the right extreme?

