

Physics 231 - 19-Nov-99



- Announcements
- Video of 2nd Law
- Simple Harmonic Motion
 - Mass and spring
 - Pendulum
- quiz

Simple Harmonic Motion



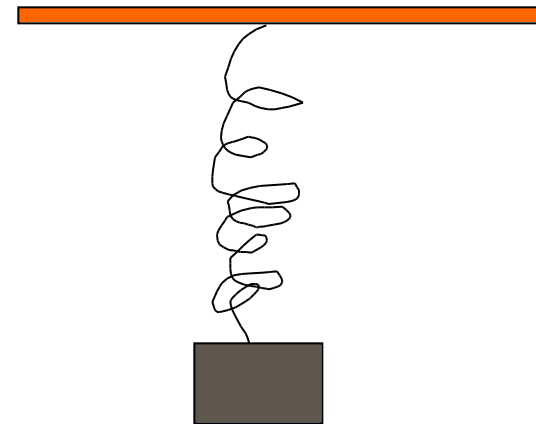
- Mass and Spring
 - Displacement
 - Velocity
 - Acceleration
- Pendulum

Q1 - Answer = c

Q2 - Problem A - Last name A-K

A mass of 2 kg is attached to a spring and stretches it 10 cm from its equilibrium position. If the mass is now displaced another 10 cm and released, what is the period of the ensuing oscillation?

- A. 0.20 s
- B. 0.45 s
- C. 0.63 s
- D. 1.57 s
- E. 9.89 s



Q1 - Answer = c

Q2 - Problem B - Last Name L-Z

- A mass of 3 kg is attached to a spring and stretches it 25 cm from its equilibrium position. If the mass is now displaced another 15 cm and released, how many seconds later does its velocity go to zero again?

- A. 1.2 s
- B. 0.5 s
- C. 1 s
- D. 3.13 s
- E. 6.2 s

