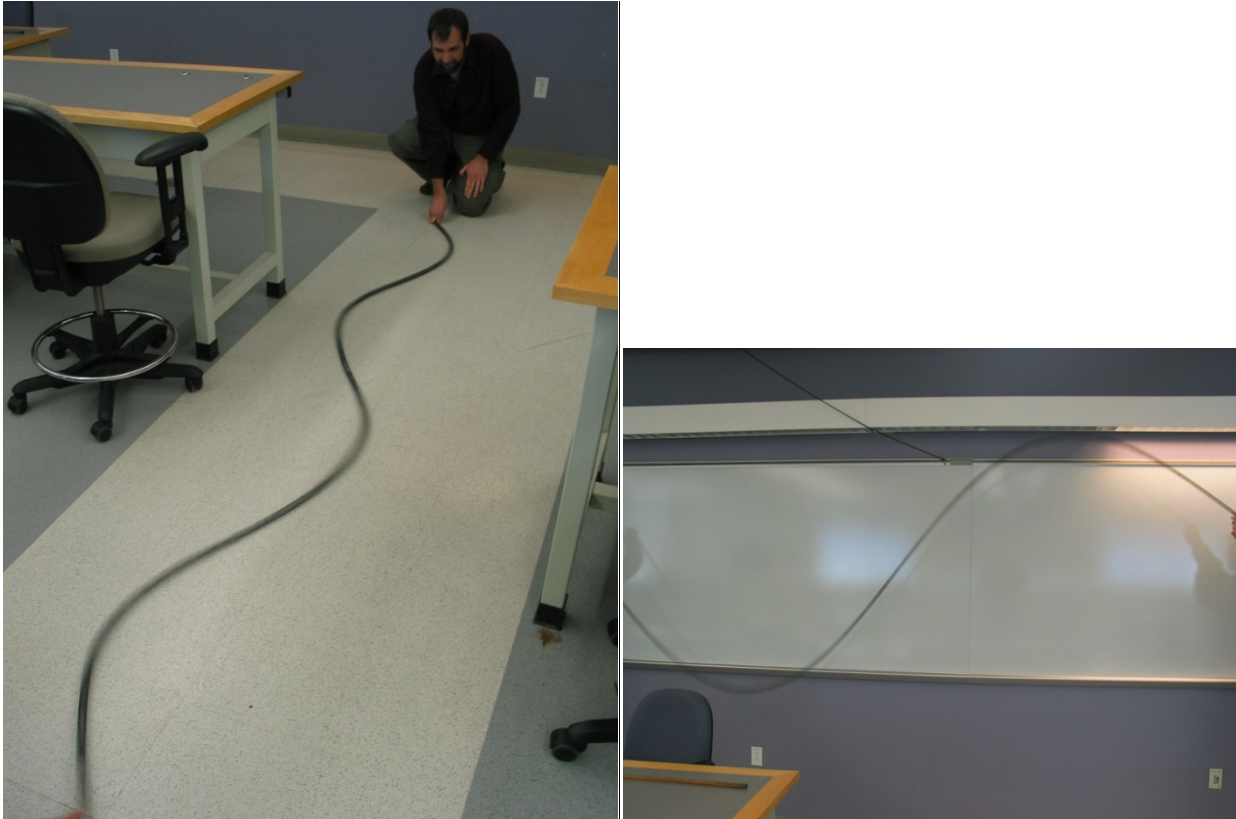


Transverse Standing Waves on a Spring



(see also “Transverse and Longitudinal Pulses on Springs” Demo)

Purpose: To demonstrate standing waves on a spring.

Location: room 146, shelf N5

Using one of the long springs on the floor with a person holding each end, shake one end of the spring side to side at various frequencies to see how many standing wave patterns you can produce (left photo).

This demo may also be done standing up and shaking one end up and down in front of the white board to make it more visible to the whole class (left photo).