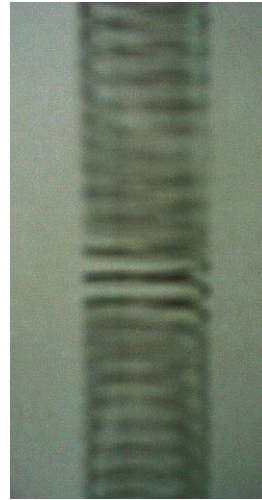


## Longitudinal Standing Waves



**Setup**



**A node**

**Purpose:** Demonstrates longitudinal standing waves.

Hook the spring's banana-plug adaptor into the motion transducer, and suspend it from a ring stand. Depending on the tension, you can tune in to a variety of standing-wave resonances. By holding a white paper behind the spring, you can show the nodal points to the class.

**Note:**

**Extra Equipment:** Ring stand with hook and Sine wave generator and motion transducer (Shelf D2).

**Location:** Shelf D2