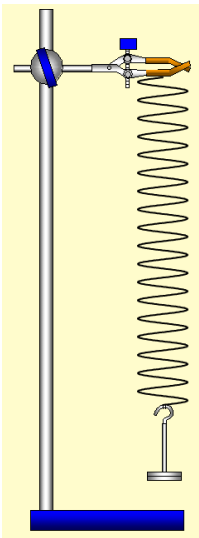


Answer on Question#55609 - Physics / Mechanics | Relativity

In an experiment to determine the period of oscillation of a loaded spiral spring, which of the following is NOT a necessary precaution?

- A. using small vertical displacements from equilibrium position to set the system in oscillation
- B. repeating the timing of oscillations and finding the average
- C. using small angular displacements from equilibrium position to set the system in oscillation
- D. counting down to zero to start the stopwatch in the timing of the oscillations



Solution

A is necessary to set the system in oscillation;

B is necessary to make determination the period of oscillation more accurate;

C is NOT necessary and is wrong, because it is NOT a pendulum;

D is a strange point, why it should be counting down to zero? Looks like it is not necessary however it is not wrong, so, if You have to chose 1 answer, chose C;

Answer: C.