

## Answer on Question # 59263 – Physics – Mechanics | Relativity

A simple pendulum made 50 oscillations in 22.3 s. Find its period.

**Solution:**

The period of a pendulum can be found as follows:

$$T = \frac{t}{n} = \frac{22.3}{50} = 0.446 \text{ [s]},$$

where  $t$  is the given period of time,  
 $n$  is the number of oscillations during this time.

**Answer:**  $T = 0.446 \text{ [s]}$ .