Answer on Question #55372-Physics-Mechanics-Kinematics-Dynamics

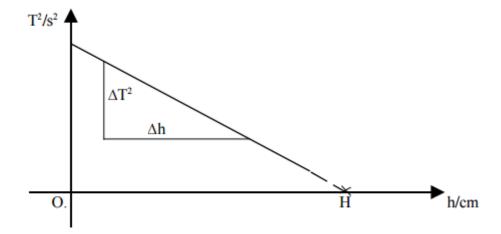
Which of the following is NOT true in the experiment to determine the acceleration due to gravity by means of a simple pendulum from inaccessible height, where h is the height of the bob from the floor and H the inaccessible height

- A. The intercept on the T2 axis for T2 plotted against h gives the inaccessible height
- B. The graph of T2 against h is linear
- C. The slope of T2 plotted against h is negative

Answer

A. The intercept on the T2 axis for T2 plotted against h gives the inaccessible height.

The intercept of the graph on the x-axis (h) i.e. when $T^2 = 0$ gives us the inaccessible height H.



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