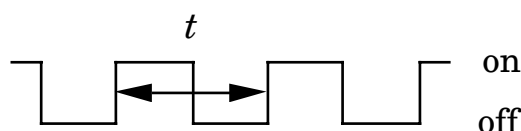


Pendulight



Aim To determine the time interval t between successive flashes of a lighthouse

Materials 1 metre rule 1 length of string 1 mass 1 retort stand

Note: For a simple pendulum $T = 2\pi \sqrt{\frac{l}{g}}$

Method The lighthouse is positioned at a location different from that at which the materials are provided. Team members will have to position themselves appropriately.

Conditions

- No timing devices other than those provided may be used
- None of the materials provided must leave the laboratory

Time limit 25 minutes

Ranking The ranking order will be determined by the difference between the measured and actual time interval

Team

Result

Do not write below line

Rank