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torsional pendulum experiment viva questions with answers (1) What do u mean by Frequency ? Ans : Number of vibrations per second. (2) Define Resonance ? Ans : Vibrating a body with its natural frequency under the influence of another vibrating body... (3) What u meant by Progressive wave ? Ans : A ...

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8. TORSIONAL PENDULUM: 1. Define Inertia. 2. Define Moment of inertia. 4. Define Rigidity modulus. 5. Define Torsional oscillation. 6. Define Inertia of rest. 7. Inertia of motion. 8. Define Rigid body. 9. What is Translational motion. 10. What is Rotational motion. 11. What

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are the factors on which the moment inertia of a body depends?

Physics Lab (15PHYL 17/27) Viva Questions

Torsional pendulum clocks, shafts in automobiles VIVA VOCE QUESTIONS 1.

Why is it called torsion pendulum? 2.

What happens to the period of oscillation

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when the length of suspension wire is decreased? 3. Define moment of inertia. 4. If the radius of the wire is doubled, what happens to the moment of inertia? 5.

Figure 1.1 Torsional Pendulum - Arun Kumar D

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PHYSICS LAB VIVA-QUESTIONS Torsional Pendulum: 1. What is meant by Rigidity modulus? 2. Define moment of inertia. 3. $1 \text{ N/m}^2 = \underline{\hspace{2cm}}$ dyne/cm². 4. $1 \text{ N} = \underline{\hspace{2cm}}$ dyne. 5.

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Physics Lab Viva Questions by ramesh kumar - Issuu

dear gurus i am askha i am interested to hear some new updated about viva questions with answers on torsional pendulum respected sir , my nephew abdul-wadood called me and said- viva questions with answers on torsional pendulum most probaby available here

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PHYSICS LAB VIVA-QUESTIONS Torsional Pendulum: 1. the work done can be

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expressed as. Ultimate Shear Strength 5.
 $1 \text{ rad} = 360^\circ / 2\pi \approx 57.3^\circ$

Moment Of Inertia Of Flywheel Experiment Viva Questions

Laws of Pendulum - Viva Voice

Questions with Answer Q.1: Define simple pendulum. Ans. An ideal simple pendulum is defined as 'single isolated

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particle suspended by a weightless, flexible and in extensible string with a friction-less support' . Q.2: Why the word 'SIMPLE' is used before the pendulum? Ans.

PHYSICS: Laws of Pendulum - Viva Voice Questions with Answer

The given torsion pendulum, two

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identical cylindrical masses, stop watch, metre scale, etc. Theory: What is Torsional Oscillation? A body suspended by a thread or wire which twists first in one direction and then in the reverse direction, in the horizontal plane is called a torsional pendulum. The first torsion pendulum was developed by Robert ...

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Rigidity Modulus of The Suspension Wire of A Torsion Pendulum

Modulus of Rigidity is the coefficient of elasticity of wire for a shearing force. In simple words, rigidity modulus of a metal wire is a measurement of the capability of a material to resist deformation when external tangential

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(parallel to the surface) force is applied to the metal wire. Contents: Aim of the Test Apparatus Required Torsion Pendulum Principle Test Procedure Observation and […]

Torsion Pendulum Test on Metal Wire

In this video in hindi we described the

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the theory of Torsion Pendulum. And we discussed the way to evaluate the mathematical equation for torsional rigidity of a material using torsion pendulum.

Torsion pendulum - How to find Torsional rigidity | in HINDI | EduPoint

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Viva Question Answers I / II SEMESTER

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Department of Engineering Physics . 1.

Verification of Stefan's law by Electrical

Method 1) State Stefan's law The

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amount of thermal radiation emitted per second per unit area of the surface of a black

DEPARTMENT OF ENGINEERING PHYSICS

Torsional pendulum of BE Physics-1 -
Duration: 18:21. Physics Easy 25,485
views. 18:21. Scew Gauge Practical ,

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How to measure the thickness of a wire -
Duration: 9:21.

Physics Lab Demo : Torsional Pendulum

In mathematical notation, the moment of inertia is often symbolized by I , and the radius is symbolized by r .

Measurement of 'g' using compound

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pendulum. viva voice questions for 1st sem basic viva questions related to various experiments. I am currently working on a physics experiment to confirm the parallel axis theorem.

Moment Of Inertia Of Flywheel Experiment Viva Questions

where: r_0 the maximum amplitude the

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angular frequency = $2\pi / T$ T the period of the oscillation the phase angle. For the spring-mass system above, we used the symbol y in the animation in place of r . For the Torsion Pendulum, we used θ in place of r . The point is that except for the symbols used, the mathematical description of these two systems are identical.

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Torsion Pendulum Expt

For a torsional pendulum the wire from which the object is suspended exerts a torque $\tau = - \kappa \theta$ where κ is the torsional constant and θ is the angle of twist. This expression holds for large angles of twist and so in the derivation of the period of

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the torsional pendulum no small angle approximation has to be applied.

homework and exercises - Torsional Pendulum - Physics ...

Physics Lab - Viva Voce. (1) Torsional Pendulum. (1) Define Rigidity of modulus ? Ans : When tangential surface forces are applied on a body , the successive

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layers of the material are moved or sheared. This type of strain is called shearing strain. "The ratio of tangential stress to shearing strain is called Rigidity of modulus".

Physics Lab - Viva Voce

Frame elements carry shear forces, bending moments, and axial forces.

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