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Helmholtz Galvanometer Viva Questions And

Answer:Tangent galvanometer has uniform magnetic field only at the center while Helmholtz has it between the two coils.Helmholtz galvanometer is more sensitive.At the same current Helmholtz produces more deflection and field.

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thermocouple which, linked to an astatic galvanometer and a magnifying coil, could ... 2_Helmholtz.pdf helmholtz galvanometer viva questions and answers - Free ... Procedure:-a) Level the box of helmholtz galvanometer and see that magnetic needle is ...

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HELMHOLTZ GALVANOMETER

EXPERIMENT PDF - Helmholtz Tangent Galvanometer. It consist of two parallel co-axial coils C1 and C2 having the same radius (a) and the same number of turns (N). The

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Engineering Physics Viva. By passing current in one direction and then in reverse direction and then taking the mean of the four readings. The capacitance is chosen to resonate the coil at the desired frequency. An AC

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Helmholtz coil driver is needed to generate the required time-varying magnetic field.

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APPARATUS - Helmholtz galvanometer, magnetometer compass box, ammeter
The first step to calculate the field of a pair of Helmholtz coil is to calculate A
Helmholtz coil is a device for producing a region of nearly uniform magnetic field, named after ..

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A galvanometer is an instrument used to detect and measure small electric currents. Q.42. What is the principle of galvanometer ? Ans. It works on the principle that a current carrying coil placed in a uniform magnetic field experiences a torque. Q.43. Should galvanometer have a low or a high resistance ? Ans. A galvanometer should have a low ...

VIVA VOCE QUESTIONS - CURRENT ELECTRICITY

Newest Questions Ssoooo sad my dear brothers An electric heater of resistance 5 ohm is connected to the electric source.If a current of 6 ampere flows through the heater. What will be the heat pr

What is the working and principle of helmholtz galvanometer?

Dc supply Trisha Banerjee @2010

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Object:- To find the reduction factor of a Helmholtz galvanometer. Apparatus:-

Helmholtz galvanometer , battery , rheostat , commutator , ammeter .

Circuit diagram. Trisha Banerjee @2010

Procedure:-a) Level the box of helmholtz galvanometer and see that magnetic needle is free to rotate in the horizontal plane.

Helmholtz Galvanometer | Electrostatics | Physical Quantities

Q.What are Para magnetic substances?

A.Substances that are slightly attracted to magnetic field and do not retain their magnetic properties once the field is removed.e.g.-aluminum,antimony,copper.

Q.Why do para magnetic substances exist?

A.They exist due to presence of unpaired electrons and due to the realignment of electron paths caused by external magnetic field.

Quinck Tube Method - Engineering Physics Viva

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proved quite helpful apart for a question I didn't find i.e. what is the null point of a galvanometer. maximum students say when no current flows through the galvanometer and galvanometer indicates zero, that particular point is known as null point.

Carey Foster Bridge - Engineering Physics Viva

A Helmholtz coil is a device for producing a region of nearly uniform magnetic field .Helmholtz Galvanometer it consists of two equal coaxial coils parallel to each other separated by a distance equal to the radius of the coils. These are made by ...

What is a Helmholtz galvanometer and what is its purpose ...

A Helmholtz coil is a device for producing a region of nearly uniform magnetic field, named after the German physicist Hermann von Helmholtz.It consists of two electromagnets on the same axis. Besides creating magnetic

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fields, Helmholtz coils are also used in scientific apparatus to cancel external magnetic fields, such as the Earth's magnetic field.

Helmholtz coil - Wikipedia

HELMHOLTZ GALVANOMETER -

Engineering Physics Viva Fill in your details below or click an icon to log in: The capacitance is chosen to resonate the coil at the desired frequency. The field F at distance x from the center of the coil of radius r is defines as: How does the field along the axis of coil vary?

HELMHOLTZ GALVANOMETER EXPERIMENT PDF

Magnetic Field along the Axis of Circular Coil Carrying Current - IIT Madras.

Magnetic Field along the Axis of Circular Coil Carrying Current •IIT Madras

Generally, the questions that are asked in viva examinations can be grouped under four basic headings: What is it

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about? What did you do? What did you find? Why does that matter? Practicing how you would answer these four basic questions will take you a long way in your preparations.

Practice Viva Questions — University of Leicester

Questions Sample Papers Notes ... When the coil of the tangent galvanometer is kept in magnetic meridian and current passes through any of the coil then the needle at the centre gets deflected and comes to an equilibrium position under the action of two perpendicular field : one due to horizontal component of earth and the other due to field (B ...

Tangent Galvanometer - Studyadda.com

Helmholtz Tangent Galvanometer. It consist of two parallel co-axial coils C1 and C2 having the same radius (a) and the same number of turns (N). The distance. Helmholtz Galvanometer it consists of two equal coaxial coils

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parallel to each other separated by a distance equal to the radius of the coils. These are made by .

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