

• The repulsion/attraction force between the 2 charged metal spheres causes sphere '2' to give a sense of rotation about the pivot

• This sense of rotation by sphere '2' is Countered by the twist in wire whose torsional Constant is Known



The charge on Each sphere in coulombs Cannot be measured directly. However, we can measure the Voltage of one of the charged metal spheres using Voltmeter given by  $V = K_e Q$ (2)

The radius of the metal sphere

This Experimental Setup was originally used to Prove coulomb's haw where the two Proportionalities were tested
(i) F ∝ Q q ] used a Laser, if mirror & a given by a scale chart d d scale chart
One can further use the link below for information

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