

41.4: The Torsional Pendulum

A torsional pendulum (Fig. 41.4.1) consists of a mass m attached to the end of a vertical wire. The body is then rotated slightly and released; the body then twists back and forth under the force of the twisting wire. As described earlier, the motion is governed by the rotational version of Hooke's law, $\tau = -\kappa\theta$.

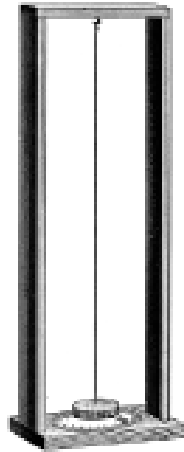


Figure 41.4.1: A torsional pendulum. (Ref. [1])

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