

A New Scientific Experiment That Could Calculate the Frequency and Energy of Natural Magnet

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To calculate the frequency of the magnetic field, we use the following experiment two annular magnets with identical characteristics are placed facing each other by the same poles. The upper magnet is in equilibrium thanks to the interactions between the force of its weight and the magnetic force of the lower magnet. Therefore, the gravitational potential energy of the upper magnet must be equal to the magnetic energy of the lower magnet. Then we measure the distance between the two magnets.

By multiplying this distance with the mass and the gravitational constant of the Earth (g) we obtain the gravitational potential energy of the upper magnet which is equal to the magnetic energy of the lower magnet.

On the other hand, we consider the magnetic energy of the magnet as “ $nh\vartheta$ ” and deal with the calculation of the frequency of the magnetic field of the magnet. So we have:

$$mgd=nh\vartheta$$

The above tests are repeated for different magnets.

In this paper we will present the results.

