

## **T6\_50 AN ON-LINE EXPERIMENT ON ELECTROMAGNETIC INDUCTION**

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Data acquisition techniques are largely used in scientific research for measuring physical quantities<sup>1</sup>. The production of acquisition systems progressively cheaper and easier to be used allows a large diffusion of the on-line experimental activities, which have a crucial role in physics education, offering the possibility to focus fundamental conceptual knots (sometimes difficult to be understood through traditional experimental methods). In this context an on-line experiment is proposed to shed light on the specific knot of electromagnetic induction phenomenon. The experiment involves an Atwood machine where the mechanical energy is converted in the electric one. First results of measurements and analysis of obtained data are presented. 1 S. Bosio, V. Capocchiani, M. Michelini, L. Santi: Computer on - line to explore thermal properties of matter, in "Teaching the Science of Condensed Matter and New Materials" , GIREP - ICPE Book, Forum 1996, p.351