



# **The application of a sound card-based data acquisition system in teaching of electromagnetic induction experiments**

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## **Abstract**

This paper gropes for using the sound card to build a data acquisition system with low cost and high precision. Also the application of this system is introduced concretely by some examples of exploring the production condition of electromagnetic induction. Finally, the merit of the data acquisition system as based on sound card for teaching experiments is discussed with reference to some comparison analysis.

**Key words:** Data Acquisition; Sound Card; Experiments Teaching