



Use of university physics demonstration experiments for inquiry learning: Inquiry on the demonstration experiment for Ampere Law

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Abstract

A demonstration experiment of the Ampere Law in electromagnetism is analyzed in detail. In particular, error is investigated by an inquiry approach which consists of the following processes: making hypothesis, verifying by experiment, modifying hypothesis, re-doing observation, making theoretical analyses, and drawing conclusion. Through those processes, the use of university physics demonstration experiments for inquiry learning is concretely illustrated.

Keywords: demonstration experiments, processes of inquiry, use of inquiry learning