

DESIGN OF AN INTERFACE FOR BASIC COMPENSATION ANALYSIS IN ELECTRICAL ENERGY

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Abstract

Motors featured inductive property and capacitors featured capacitive property consume reactive energy in alternating current circuits in electrical energy systems. A compensation system is needed to reduce the reactive energy. A course named "Special Installations" involves the compensation and its details and calculations in Electricity Programme in Technical Vocational Colleges. In this study, an educational interface on a basic compensation calculation in electrical energy systems has been designed so that related students can easily observe the compensation calculation by its variables.

Keywords: Compensation, interface, electrical energy, education.