LAYOUT and CONSTRUCTION
of
A TESLA TRANSFORMER
For 100 Kcs. and 1,000 Kv.

by

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ABSTRACT

This thesis presents the design, lay-out and construction of a Tesla Transformer. It is an air core transformer having a porcelain former as a holder of high voltage coil, and wood as a holder of low voltage coil. There are 670 turns and 10 turns on high voltage and low voltage coils respectively. Tesla Transformer has the same oscillating frequencies on both coils having high frequency and high voltage output. The steps in design, lay-out and construction, design data, experiments and characteristic curves are included in this thesis. This Transformer will be used for demonstration the teaching and other testing purposes in the Department of Electrical Engineering, Chulalongkorn University.

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