

Magnetic Circuits and Reluctance Modeling of Machines Stators



Component
École Nationale
Supérieure
d'Électrotechnique
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Télécommunications



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In brief

> **Code:** N6EE03D

Presentation

Objectives

modeling of magnetic circuits as equivalent electrical circuits, using the Hopkinson analogy, in the case of unsaturated linear circuits.

Understanding the origin of the single-phase electrical transformer circuit model.

Defining the circuit model of the single-phase electric transformer from tests performed.

Understanding the stator circuit model of electrical machines.

Understanding the operation of a three-phase transformer (model, phase rotation, transformation ratio).